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ANNUAL REPORT
OF THE
PUBLIC WORKS DEPARTMENT
OF THE
CITY OF BOSTON

FOR THE YEAR ENDING DECEMBER 31, 1965.



HON. JOHN F. COLLINS, *Mayor*

JOHN F. FLAHERTY, *Commissioner of Public Works*
FREDERICK L. GARVIN, *Engineering Division Engineer*
CHARLES M. MARTELL, *Highway Division Engineer*
LEON F. VIGNAUX, *Acting Sanitary Division Engineer*
EDWARD G. A. POWERS, *Sewer Division Engineer and Deputy
Commissioner of Public Works*
EDWARD J. PINKUL, *Water Division Engineer*

PUBLIC WORKS DEPARTMENT

1965 ANNUAL REPORT

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OF THE
PUBLIC WORKS DEPARTMENT

FOR THE YEAR ENDING DECEMBER 31, 1965

BOSTON, January 2, 1966.

HON. JOHN F. COLLINS,
Mayor of Boston.

DEAR MR. MAYOR:

In compliance with the provisions of Section 25, Chapter 3, of the Revised Ordinances of 1961, I respectfully submit herewith the annual report of the Public Works Department and the Public Improvement Commission for the year ending December 31, 1965.

The varied programs of the Public Works Department aimed at maintaining and improving the public health, safety, and convenience of the public have been carried on with efficiency and economy. These programs include highway construction and reconstruction; highway maintenance, including bridge maintenance and street and catch-basin cleaning; the construction, maintenance, and operation of a water distribution system; also a sewerage collection system, including surface and storm water drainage; and the collection and disposal of offal and rubbish. The expenditures for these services amounted to \$28,759,708 for this year.

PERSONNEL

The general policy of reducing the number of employees by natural attrition without curtailment of vital services has reached its limit. At the close of the year 1964 there were 1,364 employees, and on January 1, 1966, 1,362 employees. This compares with 1,788 at the close of 1959, 1,453 at the close of 1962, and 1,380 in 1963. A concerted effort should be made to fill our quota of 1,450 able bodied employees if the department is to function efficiently.

The national shortage of engineers and other professional workers is still acute. The differential in salaries paid by private industries in these categories and civil service employment is so great as to make it impossible to recruit qualified engineering graduates. This differential is also felt in the fields of labor and skilled mechanics.

To offset these shortages the department has maintained technical courses available to qualifying employees at no cost to the employee. Northeastern University provided courses in "Fundamentals of Public Works Construction" and an "Educational Program for Managerial Supervisory Personnel" as well as "Motor Vehicle Fleet Management" and "Management of Automotive Equipment Maintenance." Boston College provided a course in "Municipal Personnel Administration," and South Boston High School courses in "Typing, Shorthand, and Secretarial." Lowell Technological Institute is providing a five-year course leading to a degree of "Associate in Civil Engineering." Courses were also provided in communication and occupational safety.

On June 30, 1965, James W. Haley retired as Commissioner of Public Works. Commissioner Haley entered the city service in 1928 as a rodman in the old Street Laying-Out Department and advanced to Chief Engineer in that department, Division Engineer in the Engineering Division of the Public Works Department, and on January 4, 1960, became Commissioner of Public Works. During his term of office he effected a complete reorganization of the department and instituted many

changes and new procedures in organization and functions. He was instrumental in initiating several courses of in-service training for departmental personnel at Northeastern University and other local educational institutions. His was an outstanding career and he will long be remembered by his former fellow-employees.

CENTRAL OFFICE

The Central Office is composed of three sections: an Administrative Branch in the charge of the Senior Administrative Assistant, a Maintenance Branch in the charge of the Director of Transportation, and a Permit Branch in the charge of the Supervisor of Permits.

The Administrative Branch functions include the preparation and processing of correspondence, purchase supply requisitions, service orders, contracts, payrolls, personnel requisitions for transfers, promotions, and terminations; the keeping of all required records and files; and providing all services required by the Public Improvement Commission.

The Maintenance Branch provides for the repair and maintenance of the departmental automotive equipment; the supervision and maintenance of all departmental buildings and property; the operation of four garages; the operation of a blacksmith shop, a sweeper repair shop, and a building maintenance shop; and the around-the-clock operation of a two-way radio station.

The Maintenance Branch is responsible for the repair and maintenance of 397 vehicles. New equipment was acquired by purchase from the 1965 appropriations in the amount of \$223,183.11; and \$57,393 from the Snow Removal Appropriation.

The work involved in making approximately 10,000 annual repair jobs is performed at four locations; Highland St., Albany St., Hancock St., and Forest Hills.

(A) The Highland Street Motor Repair Garage is used for general repair work, stockroom, lubrication and dispensing of gasoline and oil. The stockroom contains an inventory of repair parts, tires, batteries, etc., valued at \$50,000. A schedule of monthly lubrication is set up and the condition of vehicles is checked at that time.

(B) Albany Street Garage in Public Works Department District No. 1.

This unit consists of the garage proper, the welding shop, the street sweeper shop and the communication center. The garage is used for storing trucks and dispensing of gasoline and oil. During the winter season, repairs to chains are made here. Inspection for the semi-annual Registry of Motor Vehicles inspections are carried out at the aforesaid locations.

The sweeper repair shop maintains the street sweeper fleet and, in the snow removal season, repairs the snow-fighting equipment in the area.

The maintenance shop maintains buildings and related property of the department; constructs barriers, disposal boxes, signs, erects fences and platforms, remodels offices, etc. The personnel is made up of skilled mechanics.

The welding shop is responsible for the care and maintenance of snowplows, street sweeper brooms and runners, disposal boxes, etc. Approximately 300 snowplows and frames are installed on city trucks and contractors equipment and repairs are made on cutting edges, plow wheels, semicircles and curb bumpers. The shop does all welding on above plows and also on all other types of equipment. Considerable repair work is performed for other divisions of the department, repair of pumps and screens for the Sewer Division, repairing pipes, burning joints and cutting of bolts, repairing gate and shutoff wrenches for the Water Division, welding parts for cranes and stabilizing bars for Sanitary Division incinerator and repairing signs and fences for Highway Division. Welding is done on all types of vehicles.

The Albany Street switchboard and the two-way radio base are located at the Albany Street Water Yard and are on a 24-hour, 7-day a week basis. The operators are in constant contact with the vehicles which are equipped as mobile stations.

(C) The Maintenance Branch in Public Works Department Area No. 2 is located at Forest Hills. It is used for repair work, lubrication, and the dispensing of gasoline and oil.

(D) The Maintenance Branch in Public Works Department Area No. 3 is located at Hancock Street, Dorchester, and is used for the same purposes as in Area No. 2.

It has been recognized that there is a need of a centralized facility for departmental maintenance. In 1963 the Legislature enacted legislation (Chapter 812) authorizing the State Department of Public Works to convey land in the Roxbury section of the city. This site would make an ideal locus for a centralized yard.

The Permit Branch issued all permits under the jurisdiction of the department, collected all fees, and made commitments of moneys received to the Collector-Treasurer. Cash receipts for 1965 amounted to \$306,776.20, committed accounts \$75,096.24, miscellaneous \$149,104.65, and deposit accounts \$841,633.43, for a grand total of \$1,372,610.52.

ENGINEERING DIVISION

The Engineering Division is made up of four sections: Administration; Planning and Programming; Survey; and Design.

The Administrative Section under the supervision of the head administrative clerk performed all duties of an administrative nature relating to the processing and maintenance of records pertaining to personnel, correspondence, indexing, and filing.

This consisted of, in part, typing, proofreading, and collating of stencils for contract books for all divisions of the department, processing of municipal lien certificates, giving information to the general public, preparation of the annual report, mimeographing all work for all divisions of the department, and processing and recording plot plans, numbering approximately 1,000, which were submitted to the Engineering Division. This year the assessments of betterments on roadways, sidewalks, and sewers were performed by the head administrative clerk, who also assisted the Division Engineer at Public Improvement Commission meetings.

This section furnished engineers and surveyors with street line information, bench marks, and plan information concerning approximately 1,000 streets. This section also furnished street line information on various proposed projects, the Inner Belt, the Charlestown Redevelopment Area, the Southwest Expressway, the Charlestown Prison Land and Flats.

Approximately 200 requests for information from lawyers and conveyancers were processed. On about twenty occasions this required the City of Boston to send an engineer to court in Suffolk, Middlesex, and Norfolk Counties.

This section furnished information to the Law Department, Building Department, School Department, the Highway, Sewer, and Water Divisions of the Public Works Department, the Boston Redevelopment Authority, the Post Office Department, and the Real Property Department.

Boundary line information between Boston and adjoining cities and towns was furnished to engineers as well as harbor lines.

This section also answered queries concerning the history of city streets and other inquiries relative to ownership and maintenance of bridges in various parts of the city.

This section is also responsible for the operation of the Reproduction and Photographic unit. This unit furnished blueprints, ozalid prints, autapositives, and photographs required by the Public Works Department and all other city departments.

Planning and Programming Section: The Planning and Programming Section prepared the highway, water, and sewer programs for the Public Works Department. This section, with the support of the other sections of the Engineering Division, performed services as directed by the Public Improvement Commission. These services included, but were not limited to, engineering reports for new street layouts, sewer and water engineering reports as required in connection with petitions received by the commission from contractors constructing new developments where such utilities were not available, and minimum pavement reports to advise the commis-

sion whether contractors satisfactorily completed the terms of their minimum pavement agreements with the commission in order for the latter to vote on the return of deposits.

In connection with the various programs, the section maintained liaison with the Department of Public Works, Commonwealth of Massachusetts; City of Boston Traffic and Parking Department; Parks and Recreation Department; Police Department; Fire Department; Sewer, Water, and Highway Divisions, and all public utilities companies.

The section received the final preliminary plans for the Boston extension of the Massachusetts Turnpike during January and reviewed and coordinated them with all other interested city departments and divisions and, where applicable, with the Boston Redevelopment Authority. Upon completion of the Boston extension, "As Built" plans commenced to be received by this section where they were recorded and distributed to the appropriate divisions.

The Planning and Programming Section served as a coordinator between the City of Boston Public Works Department and the Boston Redevelopment Authority and its consultants on matters of mutual interest regarding the various renewal and redevelopment projects.

Public utility companies plans for proposed construction in city streets were reviewed by this section and appropriate recommendations relative to approval were made to the Division Engineer.

This section prepared written reports and letters for the Commissioner's signature in answer to numerous complaints received by the department relative to street and sidewalk conditions.

In connection with the foregoing, the Planning and Programming Section performed the following functions:

Field inspected streets where construction or reconstruction would result in damages to abutting properties and made estimates of the amount of damages.

Kept account records of engineering costs spent by the City of Boston Engineering Division in renewal projects for purposes of federal Non-Cash Grants-in-Aid credits.

Completed final reports for state financing of street reconstruction under the provisions of Chapters 782 and 822, General Laws of the Commonwealth of Massachusetts.

Scheduled field surveys for the Survey Section.

Scheduled preparation of plans by the Design Section.

Made field trips to study proposed work and made recommendations concerning the feasibility of the work to the Division Engineer.

Prepared monthly groups for advertising for bids for construction and reconstruction of streets (see Design Section report for accomplishment during 1965).

Staged and sequenced developments of Chapter 90 projects and arranged with other sections of the division for design changes on state survey plans relating to these projects.

Design Section: The Design Section under the supervision of an associate civil engineer performed the following work:

Prepared all plans, estimates, specifications, and contract forms relating to the design and construction of highway, bridge, sewer, and water facilities, in accordance with departmental programs.

Prepared designs, plans, and specifications required in connection with proposed structures and appurtenances to be constructed by the operating divisions of the department.

Designed grades in connection with the construction and reconstruction of highways and sewers.

Checked all plot plans submitted to the Building Department prior to the issuance of building permits to determine if the same are approvable with regards to grades and availability of sewer and water facilities.

Checked proposed construction over existing sewers, to determine if same is structurally sound and approvable.

Made tracings of all survey plans, plots, street layout plans, easement plans, assessment plans, etc., prepared by the survey section.

Prepared and traced various maps, plans, charts, etc., required for general purposes in the operation of this department.

Made estimates and preliminary plans for the Public Improvement Commission relating to proposed sewer, water, and street betterments.

Checked plans and specifications of and consulted with various engineering firms regarding sewer, water, and highway construction for the Government Center, Prudential Center, Washington Park, MBTA extension, Castle Square and New York Streets Projects.

The major accomplishments of the Design Section in 1965 consisted of completing the necessary designs, estimates, construction plans, and specifications for thirty-five public works contracts which were advertised in 1965, involving street construction and reconstruction and sewer and water installations.

These contracts are listed descriptively hereinafter in chronological order of advertising.

Work related to the foregoing included:

Completion of 217 construction plans for highway projects

Design of 75 sewer grades

Layout and tracing for 70 water works installations

Other work included:

Review of approximately 255 plot plans for Building Department

25 street grades designed

28 tracings of street layout plans

120 tracings of specific repairs, widenings and relocations

34 tracings of sewer easement and assessment plans

20 tracings of miscellaneous sidewalk and street assessment plans, discontinuances and land plans

10 approval plans reviewed and checked

60 streets designed for catch basin locations

Preparation of miscellaneous charts, maps, and plans for other divisions and departments

150 estimate reports furnished in connection with proposed sewer and water work

40 estimate reports furnished in connection with proposed street developments

31 sewerage works reports furnished or proposed construction sent to the M.D.C.

Investigation of 8 drainage areas: Myopia Brook, Hyde Park; Oakland Brook, Dorchester; Davenport Brook, Dorchester; Dent Street Brook, West Roxbury; Canterbury Brook, West Roxbury; Sawmill Brook, West Roxbury; Readville Brook, Hyde Park; Pattens Cove, Dorchester.

Received plans and layouts of sewerage and water works in
7 Boston Redevelopment Authority redevelopment areas.

Received plans and layouts for various sections of South-
west Expressway, Inner Belt Expressway, and I-93 Express-
way.

Survey Section: This section made twenty-two surveys for the laying-out of 2.6 miles of public highways; fourteen profiles for 1.78 miles of sewer construction; thirteen profiles for highway construction; fourteen reports for minimum pavement specifications for private ways; eleven surveys for eminent domain takings for 1.44 miles of sewer and assessment purposes; six surveys for the discontinuance of 0.3 miles of public highways; 246 plans and surveys for highway reconstruction of 41.65 miles of highways; thirty-three engineering reports; and thirty-six miles of street reconstruction inspections.

This division carried on its normal activities, which consisted of surveys, plans and contract documents for street construction, reconstruction, sewer and water projects, along with surveys and plans for widenings, specific repairs, discontinuances, assessments, and special surveys and plans for various other city departments. In addition to expected activities, the division, with the direct assistance of consultants, became increasingly involved with blossoming Boston Redevelopment Authority activities in connection with urban renewal.

By far the most active area of development was in Washington Park, Roxbury, and following is a summary of the activities in this area. Through our consultants, Fay, Spofford and Thorndike, Inc., plans and contract documents were prepared resulting in the awarding of approximately \$1,000,000 worth of street construction and sewer and water installations. In addition, plans and necessary Public Improvement Commission actions were completed relative to new street layouts in BRA development parcels along Humboldt Avenue, Washington Street, and within the Notre Dame Academy area.

Street construction was essentially completed for portions of Washington Park Boulevard and Humboldt

Avenue and in streets related to the Marksdale II Development area.

In the Government Center area most of the activities consisted of studies and meetings with representatives of the BRA, MBTA, and all of the major utility companies, relative to properly staging and relocating utilities, laying out and setting grades for streets in the Haymarket Square area, where the new subway extension caused many changes and many studies and meetings relative to the Pemberton Square area and the Adams Square-State Street-Cornhill area.

Designs and plans for required sewer and water installations for all Government Center work north of Sudbury Street were nearly completed and are expected to be advertised early in 1966.

In the Castle Square area, first section, sewer and water contracts were prepared, awarded, and installations substantially completed. Plans for new street work in this first section, bounded by Shawmut Avenue, Dover, Tremont, and Herald Streets, were started with the intention of completing for advertising in the spring of 1966. In the second section, between Shawmut Avenue and Washington Street, plans were drawn and Public Improvement Commission action taken on the discontinuances of several streets here preparatory to new development.

In other sections, such as the Waterfront, South Cove, South End, and Charlestown, preliminary conferences were held relative to proposed layouts, changes, street designs, discontinuances and expected problems, all in preparation for 1966 detailed work to follow.

An attempt to cope with this greatly increased work load has been made by hiring consultants to do the engineering in most of these BRA renewal areas, and this has helped tremendously, but providing the steady long-range engineering accomplishments required in the face of a continuing and increasing shortage of experienced, permanent personnel is becoming more and more difficult, if not impossible, to achieve.

The personnel quota for this division has been established at sixty. On January 1, 1965, the number of

permanent employees working was thirty-eight and by year's end had increased to forty, but this, in so far as permanent men is concerned, is still twenty less than the quota of sixty, which is in itself very tight.

Some of this gap was filled in by employing temporary employees. However, since most of these were in the lower two engineering grades, requiring minimum technical know-how, the engineering help problem remained far from satisfactory.

With reference to the various public works engineering programs in which this division participates, the following summarizes the extent of completed surveys, plans, and contract documents for public works which were prepared by this division and advertised in 1965.

	<i>Street Reconstruction</i>	<i>Estimated Cost</i>
12.7 miles involving 104 streets	\$1,916,031
<i>Chapter 90 Reconstruction</i>		
2.5 miles involving seven streets	433,675
<i>Chapter 393 Construction</i>		
2.1 miles involving twenty-eight streets	505,108
<i>Sewerage and Water Works (combined in 1 contract)</i>		
Twenty contracts	\$1,126,980

HIGHWAY DIVISION

The Highway Division is comprised of three sections: Construction, Maintenance, and Street Lighting. The division supervises and performs all services incidental to the construction and reconstruction of highways and sidewalks; highway maintenance work, snow removal, street cleaning, and catch-basin cleaning; the operation and maintenance of bridges; and the installation and maintenance of street lights.

The Construction Section supervised the construction and reconstruction of 115 streets at contract prices of \$2,130,307.67, and expended \$430,955.33 for repair and operation of bridges. Chapter 90 projects completed during the year were: Adams Street between Gallivan Boulevard and MBTA bridge; Columbus Avenue between Sarsfield Street and Massachusetts Avenue; L

Street between East Fourth Street and Columbia Road; East Broadway between M Street and Farragut Road; West Milton Street between Boston-Dedham line and junction of Milton and Sprague Streets; Condor Street between Brooks Street and intersection of Condor and Eagle Streets; Dana Avenue between Washington Street and Centre Street; Boylston Street between Washington Street and Centre Street; Pond Street between East Cottage Street and Columbia Road; Pleasant Street between Hancock Street and East Cottage Street; Hancock Street between Bowdoin Street and Dorchester Avenue; East Cottage Street between Edward Everett Square and Pleasant Street; and Savin Hill Avenue between a point 200 feet west of Dorchester Avenue and Pleasant Street, at a total cost of \$743,204.

The Maintenance Section performed sidewalk and roadway repairs on and cleaned 760 miles of streets; cleaned 4,500 catch basins; maintained and operated 7 drawbridges and 83 inland bridges.

The Street Lighting Section ordered the installation of 1,874 3,500-lumen lamps in 361 streets; 754 7,000-lumen lamps in fifty-eight streets; 234 11,000-lumen lamps in twelve streets; and 281 20,000-lumen lamps in thirteen streets. In addition the section ordered the installation of lighting units on the city-owned street lights as follows: 168 7,000-lumen lamps in twenty streets; and 256 20,000-lumen lamps in twenty-three streets.

ACCELERATED HIGHWAY PROGRAM

During the legislative session of 1965 the Public Works Department sponsored and urged the passage of legislation to bring about a more equitable distribution of funds collected in the Commonwealth's Highway Fund for the benefit of the cities and towns. Chapter 90 and Chapter 81 of the General Laws discriminates against the cities and larger towns in favor of the small towns. The legislature enacted Chapter 679 of the Acts of 1965, by which Boston was granted \$2,530,208.82 by the Commonwealth, of which \$2,280,208.00 was made available for the construction and reconstruction of highways.

WEST FOURTH STREET BRIDGE

On July 21, 1965, a serious fire entirely destroyed the No. 6 span of the West Fourth Street Bridge, with damages estimated at \$130,000. Construction of this bridge was by authority of Chapter 428 of the Acts of 1890, with costs apportioned at 65 percent to the railroad, 25 percent to the Commonwealth, and 10 percent to the City of Boston. Said Chapter 428, as amended in 1892 and 1893, provided in Section 6, "After the completion of the work, the crossing and its approaches shall be maintained and kept in repair as follows: when the public way crosses the railroad by an overhead bridge, the framework of the bridge and its abutments shall be maintained and kept in repair by the railroad company, and the surface of the bridge and its approaches shall be maintained and kept in repair by the town or city in which the same are situated." Whether the replacing of span No. 6 of this bridge is in the nature of a repair or a rebuilding is in dispute, and is being adjudicated by the Law Department.

SNOW REMOVAL

Total snowfall for the year 1965 amounted to 40.8 inches. In January 22.2 inches of snow fell in four storms, with snowfalls of 6.9 inches, 3.6 inches, 3.1 inches, and 3.0 inches. None were blizzards. February produced one storm, with a fall of 1.9 inches and a total of 4.7 inches. The total snowfall in March amounted to 9.7 inches, with three storms with snowfalls of 3.7 inches, 3.3 inches, and 1.2 inches. April produced 1.6 inches of snow. No snow fell in November, and although 2.6 inches fell in December all snowfalls were in amounts of less than one inch. Snow removal costs amounted to \$828,852.

SANITARY DIVISION

The Sanitary Division is comprised of three sections: Administration, Collection, and Disposal.

Administration Section

Program 1 — Administration

The activities of the Administration Section comprised the supervising of the various functions and

operations of the division, the preparing of all contracts, the processing of payments, the processing of reports, correspondence, violation notices and complaints (complaints were written, telephoned, and in person), and compilation of inspectors' reports and daily reports on the Collection and Disposal Sections' performances, investigating and processing applications for permits for the transportation of refuse, the preparation of the budget, and the supervision of the Snow Emergency Center.

On July 1, 1965, Division Engineer John F. Flaherty took a leave of absence from the Sanitary Division when he was appointed by Mayor John F. Collins to the position of Commissioner of Public Works. Starting as a rodman in the Transit Department, Mr. Flaherty was successively promoted to the highest of engineering ratings, that of Division Engineer and Deputy Commissioner, and he now has accepted the challenge of heading one of the largest and most important departments in the entire state.

On July 1, 1965, replacing Mr. Flaherty, Principal Civil Engineer Leon F. Vignaux, in charge of the Collection Section of the division, was temporarily promoted to Division Engineer. Mr. Charles T. Dinneen, a career municipal engineer, having extensive experience with the Transit Department and with the Sewer and Highway Divisions of the Public Works Department, took over the duties of directing the activities of the Collection Section.

During the year the clerical personnel in the office changed considerably. The transfers of Miss Claire Murphy and Mrs. Ellen Pumphret to other departments after conscientious service will be felt by the division; their positions were filled with provisional employees.

Collection Section

Program 2—Refuse Collection Contracts

The city decided to exercise its first option in accordance with Article 17 of the publicly advertised refuse collection contracts, which provided for renewal of contracts, effective April 1, 1965. Contracts were renewed

with the same refuse collection contractors. Under these contracts, the city absorbed 75 percent of the 10-cent per hour increase granted to the drivers and the helpers since April 1, 1965. This increased payment to the contractors cost approximately \$25,968 for the remainder of the year. The total expenditure for refuse collection contracts amounted to \$2,442,260. A total of 261,602 tons of refuse was collected and disposed of during the year.

Multiple and continued complaints from householders, civic organizations, and elected officials during 1964 and early 1965 concerning an insufficient number of collections in the Back Bay and South End areas of District 1B-Boston Proper—resulted in a change on May 1, 1965, from a previous 5-day collection week to a 6-day week. An amendment to the contract increased the weekly contract sum by \$327.11 for the extra services rendered.

Program 3—Alley Cleaning

The alley cleaning program in the South End and Lower Roxbury districts was continued, with a minimum amount of complaints during the year. Approximately 5,900 tons of debris and garbage was removed from the alleys during 1965.

Program 4—Litter Baskets

The number of sidewalk-type baskets used in the downtown district was reduced from ninety-seven to fifty, and the policy still continues to remove from service this type of container from the city streets. The large litter basket appears to be an invitation to some inconsiderate individuals who dispose of their household garbage in them as they leave the subways on their way to work. Fifty additional large baskets were temporarily placed in the downtown retail area to provide for the extra pedestrian litter generated during the crowded shopping conditions prior to Christmas. Over 900 pole-type baskets are installed throughout the city in locations where there are accumulations of pedestrian litter.

All baskets are emptied by the refuse collection contractors on Mondays except in the Boston Proper district where they are emptied on the regular collection days. A departmental night litter basket detail using three packer-type trucks empties every basket nightly, Tuesday through Saturday. This crew is under the supervision of an inspector who also directs the pick-ups of dead animals.

A study will be made to consider an increase in pole-type installations during the year 1966.

Program 5—Market Cleaning

Under this program the division provides two packer-type trucks on Fridays and Saturdays servicing pushcart peddlers and storekeepers in the market area in the vicinity of Blackstone Street, removing approximately 2,270 tons of refuse during the year and depositing it at the South Bay Incinerator.

Program 6—Abandoned Vehicles

The removal and disposal of abandoned vehicles from the streets and vacant lots throughout the city was a continuing operation. Bids were taken for a new contract starting April 1, 1965, and, since the first three bidders were not satisfactorily qualified, all bids were rejected, and the department negotiated with the J & L Iron Company, the then current contractor, to dispose of approximately 3,200 vehicles at a cost reduced from \$6 to \$4.95 per car, the lowest bidder's price.

A temporary easement has been taken by the state for the construction of a new culvert at the rear of our property at Albany Street. This easement narrows the space available to the J & L Iron Company for the cutting up of derelict cars, and it was apparent that we should move this work to another location. Application to the Board of Appeal for a variance of zoning for the use of Calf Pasture was turned down, and the department, through the Commissioner, applied for use of state-owned land on Atkinson Street in the vicinity of South Bay Incinerator to continue this project.

Program 7—Enforcement and Education

The uniformed Sanitation Inspectors Section was brought up to full strength by the permanent appointment of seven new inspectors. Violation notices were served to 8,356 property owners or householders violating sanitary laws, particularly in the manner of placing refuse out for collection. This resulted in householders providing hundreds of new barrels throughout the city and reduced appreciably the littering on streets. To supplement the work of the inspectors and to obtain the cooperation of residents, we conducted our principal antilitter campaign during the month of May. A new slogan, "Stop Littering," along with a photograph of one of our sanitation inspectors in uniform, was the basis of a new design prepared by an advertising agency to publicize our campaign. Signs were posted on the sides of all equipment, decals were placed on all litter baskets, car cards and posters were placed on MBTA equipment and subway stations free of charge; and seventy-five large billboards were contributed by the Donnelly Advertising Company to the campaign. The division is grateful to many civic organizations who cooperated in the cleanup of vacant lots. The division issued a \$2,000 service order to a refuse contractor who placed large thirty-cubic-yard containers when and where directed, and then picked up the boxes after they were filled with debris from the lots by volunteer members of the civic organization.

New legislation now permits the Commissioner of Public Works to designate the departmental personnel to be given police powers to enforce the antilitter statutes and ordinances. Through the courtesy of the Boston Police Department fifteen sanitation inspectors were given the necessary training required in this work; and during the year 1966 these men will be sworn in by the Police Commissioner as "Special Police."

*Disposal Section**Program 8—South Bay Incinerator*

The South Bay incinerator received and disposed of a total of 151,890 tons of refuse during the year.

Maintenance work performed under contract is listed below as follows:

- (1) Grates renewed and repaired in No. 4 furnace.
- (2) Miscellaneous welding and piping throughout the plant.
- (3) Renewed shafts on hydraulic rams.
- (4) Brake shoes replaced on cranes.
- (5) Repairs to charging gates and water cooled damper.
- (6) Refractory repairs were relatively minor and far under our estimate for the year; however, it is predicted that our luck in this respect in 1965 will not continue very far into 1966, and before the close of 1965 refractory work on No. 1 furnace was scheduled to begin.

Plant personnel continued making most of the minor routine emergency maintenance on grates, hydraulic lines, machinery, cranes, and electrical repairs, etc.

Changes in relay operations recommended by Westinghouse engineers apparently reduced greatly the epidemic of burnouts of crane motors, and only one motor broke down which required rewinding.

Steam was transmitted to the Boston City Hospital from January through the month of March, but major alterations to the hospital boiler room required the shut down of this operation. No further steam was transmitted during the remainder of the year.

A contract was awarded for the installation of a new ventilating system resulting in improving greatly the condition of the air at the plant.

The incinerator residue continues to be transported by a private trucking contractor to the Gardner Street dump where it is being utilized in the initial cover of the refuse.

Program 9—Gardner Street Dump

A total of 97,144 tons of rubbish was received and disposed of at the dump during the year.

Starting in July and continuing throughout the year, the dump was operated as a sanitary land fill. The demands and recommendations of the State Department of Public Health was thus put into effect, and our method of operation has received their approval. Cover material at the site is very limited and, therefore, a contract for supplying run of the bank gravel was awarded

by the purchasing agent to Sylvester A. Ray. It is estimated that this operation will increase costs by over \$100,000 annually, but the resulting reductions in fires, and rodent and vermin nuisances, should result in better relations between the West Roxbury residents and the department.

Bids were taken on the new proposed metal garage and office building in November, and award was made to Brooks Skinner Steel Building Company. The building will be erected on a reinforced concrete slab laid on the roof of the old filter beds. Departmental personnel constructed this slab at a savings to the city.

Judging by the present rate of dumping, Gardner Street has only a few years of life; therefore immediate action on the construction of a second incinerator is recommended, or the city will find itself without a refuse disposal facility.

Program 10—Saugus Dump Rental

Prior to April 1, 1965, the department offered the M. DeMatteo Construction Company, the owner and operator of the Saugus dump, a renewal of their contract to accept the refuse from the East Boston District on the same terms and conditions of their previous contract. An excessively high increase of \$29,600 was demanded by the DeMatteo Construction firm for a renewal, and continuous negotiations through June 12, 1965, failed to reach agreement between the operators of the dump and the city. On Monday, June 14, 1965, refuse collection trucks were turned away from the Saugus dump, and the burnable refuse from East Boston was taken to South Bay incinerator and nonburnables were hauled to Gardner Street dump. Since the incinerator could not handle this additional load, it was necessary to divert at least two days' refuse collection per week in the Dorchester (South) district to the Gardner Street dump.

On July 16, 1965, negotiations were resumed and a contract was signed for the period of one year at the price of \$3,500 per month. The division then resumed dumping the East Boston refuse at Saugus.

PERSONNEL IN-SERVICE TRAINING PROGRAM

During the year 1965, the Division Engineer and section heads took a 15-week course entitled "The Human Side of Managing." The head administrative clerk took a course in "Personnel Management"; and the clerical force took various courses, namely, typing, shorthand, and secretarial.

SNOW REMOVAL

The Snow Emergency Center finished its fourth season of operation at the Civil Defense office located in the Fire Department Headquarters building in the spring of 1965 under the direction of Division Engineer and Deputy Commissioner John F. Flaherty as chairman. Subsequent to the elevation of Mr. Flaherty to the position of Commissioner of Public Works, this unit was placed under the immediate direction of Sewer Division Engineer and the new Deputy Commissioner Edward G. A. Powers for the winter season of 1965-66. Sanitary Division personnel continued to be the backbone of the operating functions of the center. Although there were several sanding storms in December of 1965, no major snowstorms occurred during the month, and the center was not activated again until January of 1966.

SEWER DIVISION

The Sewer Division, with 105 employees (fifteen less than the 120 employees in the 1965 quota), is divided into three sections, viz., Administrative, Maintenance, and Construction, under the direction of a Division Engineer.

The Administrative Section consists of the Division Engineer and a clerical force of three employees. This section is responsible for preparing budgetary requests; maintenance of time records of employees; presenting receiving notices and warrants for service orders and purchase requirements to the Central Office of the department for processing; all correspondence received in and emanating from the division; processing of estimates for payment on contract work; keeping records

pertaining to the Sewerage Works Loan Account; and furnishing information relative to department policy as determined by directives, orders, and ordinances.

The Maintenance Section, numbering eighty-six employees, under the direction of an Associate Engineer, is charged with cleaning sewers and sewer appurtenances; answering and investigating complaints; maintaining and repairing sewers; inspecting the laying of drains; operation of pumping stations and disposal plant; recording complaints; recording sewer inspections; keeping record plans of the entire sewerage system; and furnishing information to the public.

The Construction Section, numbering fifteen employees, under the direction of an Associate Engineer is responsible for the entire building operations of sewerage works under contracts, from the field layouts through the final inspections, and furnishing record plans of work for the sectional plans maintained by the Maintenance Section.

New equipment acquired by this division in 1965 consisted of two 3-inch Homelite pumps; one Meyers sewer cleaning machine; and four 1961 dump trucks assigned to the Sewer Division from the Highway Division.

The division constructed 21,937 linear feet of sewers and surface drains by contract and day labor in 1965, and 2,613 linear feet were constructed by private parties under release agreements, plus 16,509 linear feet in urban renewal areas for a grand total of 41,059 linear feet, or 7.71 miles. The division received and investigated 3,390 complaints; freed and/or repaired 1,033 catch basins, repaired twenty-three sewers; cleaned 2.42 miles of sewers; inspected 557 drain construction or repairs; reported on 5,671 municipal liens; and inspected the sealing of 340 drains from demolished buildings.

Comprehensive Program of Sewerage Revitalization

Under date of February 10, 1965, the department reported to the City Council, through his Honor the Mayor, on the effect the Metropolitan District Commission's Deer Island sewage treatment plant will have on

the present sewerage system, and more particularly what steps were being taken to modernize the sewerage system in the City of Boston. That body was apprised at that time of the stark reality that the Boston main drainage system was obsolete, and portions of the system were in imminent danger of collapse. To rebuild the entire system was thought to cost sums varying from \$200,000,000 to \$250,000,000. That report suggested that an engineering examination of the system would show that large portions of the system could be repaired or revitalized more cheaply than rebuilding. A ten- or twenty-year construction program will probably be required to fully accomplish the revitalization program.

At a meeting of the City Council held on July 26, 1965, a resolution was passed authorizing the Mayor to apply to the federal government for an interest free loan in the sum of \$240,000, under Public Law 560, 83rd Congress, as amended.

Under date of July 29, 1965, your Honor formally applied for a planning advance from the Housing and Home Finance Agency in the amount of \$240,000, as an interest free loan.

The three problem areas set forth in the application were: *Area I*. The Boston main interceptor within this area is of eight to ten feet diameter and is in need of major repairs or replacement throughout its entire length of 10,000 linear feet. This sewer was constructed between 1879 and 1883. It was laid in a marsh, part of which is now Massachusetts Avenue, with beds of marsh mud extending 20 to 86 feet in depth. A $\frac{1}{4}$ -mile section consists of a wooden shell of 4-inch spruce planks spiked together and lined with 4-inch brick or concrete masonry. The interceptor is as much as 36 feet below the ground surface.

There were two serious collapses within the last three years which involved hundreds of thousands of dollars in repair costs. The structure is in poor condition, and total collapse may result in closing Boston Harbor to shell fishing and recreational use. *Area II*. Within this area the east side interceptor (14,000 feet

in length) becomes overloaded, and replacement or relief is needed. This interceptor, constructed wholly on the combined system of drainage discharges, mingled sewage and storm water in Fort Point Channel and the inner harbor in minor rainfalls. *Area III.* This area is on the southerly side of South Boston extending from Castle Island to the Dorchester line. The shores are utilized for bathing beaches, serving as many as 1,500,000 persons on a single summer day. The locus is ideal for small craft boating. The South Boston interceptor, designed and operated on the combined system of drainage, is laid just inland from the beaches, and seven sewer overflows discharge mingled sewage and storm water into the bathing water during storms of minor intensity. It now appears possible to correct this intolerable condition by the construction of a marginal conduit with a pumping station with discharge into deep water.

It is anticipated that the application will receive favorable consideration early in 1966.

WATER DIVISION

The Water Division is composed of three sections, Construction, Maintenance, and Revenue, and provides for the construction, replacement, expansion, maintenance, and repair of water mains, supply lines, meters, hydrants, and various appurtenances, meter reading, and assessing charges to consumers.

The Construction Section furnished the engineering and inspection force supervising the laying and relaying of 3.88 miles of water pipes varying in size from 4 inches to 12 inches in diameter. One hundred and seventeen new hydrants were installed, ninety-seven hydrants changed, and sixty-nine hydrants abandoned, making a net increase of forty-eight hydrants.

The Maintenance Section supplied official information in reference to hydraulic problems, main pipe and service pipe locations, processing applications for new or enlarged domestic and fire services, keeping of records, plans, pressure charts, and general supervision of the three Water Division yards.

Area Yards

Area No. 1, 710 Albany Street, Boston, services Charlestown, City Proper, East Boston, and Roxbury.

Area No. 2, 327 Forest Hills Street, Jamaica Plain, services Jamaica Plain, Brighton, West Roxbury, and Hyde Park.

Area No. 3, 160 Hancock Street, Dorchester, services Dorchester and South Boston.

These yards are responsible for the repair and maintenance of main pipes, service and fire pipes, hydrants, gates, and providing emergency and general service to the public. The main yard at 710 Albany Street maintains emergency crews around the clock for any water service that may be required in any section of the city.

The main yard and the two area yards were assisted by three contractors. The contractual work consisted of excavation and backfilling to allow Water Division employees to repair leaks, lay or relay water services, change hydrants, and repair or replace defective appurtenances. This contractual work was performed in a satisfactory manner and is of value in providing service to the public.

Revenue Section

The processing of all functions in relation to the revenue from water supply and service is the responsibility of this office. These functions include the processing of applications for new services and fire pipes, the reading of 95,000 meters quarterly and/or semi-annually, requesting the testing, installation, or removal of meters, and the handling of complaints or inquiries concerning charges rendered for water and sewer use charges. Revenue collected by the Water Division in 1965 amounted to \$9,285,064.14.

The Water Division's Business Office processes and resolves all petitions for abatement, including those petitions for abatement of the sewer use charge, when said charge is directly related to water consumption. Sewer use charge petitions, when of a technical nature, are resolved by the Sewer Division.

The Metropolitan District Commission's water assessment for 1965 amounted to \$5,252,777.04 for 43,775,142,000 gallons at a rate of \$120 per million gallons.

The Water Division is a distribution system supplying potable water for domestic and commercial use and the extinguishment of fires. Its source of supply is from the Metropolitan District Commission, which agency maintains reservoirs in the valley of the Swift River known as Quabbin Reservoir with a capacity of 415,000,-000,000 gallons; Wachusett Reservoir in the valley of the South Nashua River at Clinton with a capacity of 67,000,000,000 gallons; and the Old Sudbury Reservoir in the valley of the North Sudbury River as a standby in case of emergency. It is felt that a safe yield from the watershed of these three sources is 330,000,000 gallons per day. The present daily demand on the M.D.C. is 96,000,000 gallons per day.

The Drought

During the extended drought of the past several years the water users of the metropolitan water districts had continued normal water use, secure in the knowledge of the tremendous volume of water stored in the reservoirs. This complacency of the public was not shared by water supply engineers. In 1962 the engineering report to the M.D.C. Study Commission (Senate 760) stated: "There is a need to strengthen the distribution system in the metropolitan district. While the average daily consumption of water is below the safe yield of the present sources of supply, the capacity of parts of the distribution system is not adequate to meet the needs of the district, especially during periods of high demand caused by high temperatures or extended drought."

On August 10, 1965, the Department of Public Health declared that an emergency existed, and that restrictions be imposed by the local communities. On August 11, 1965, the M.D.C. advised the city of the situation and recommended member communities ban the use of water for lawn sprinkling, washing of motor vehicles, unrecirculating air conditioning equipment, swimming pools, bathing pools and fountains. On August 12, 1965, I formally declared a ban on such uses, and informed the water users by advertisements in all the Boston papers. The public response and compliance

with the ban was remarkable. In no instance was it necessary to invoke the drastic powers granted the Commissioner during times of emergency.

Although the effects of the drought was felt in Boston, in isolated instances, by drops in pressure, these complaints were not general. They were, however, straws in the wind. It is doubtful if adequate quantities of water are available in certain sections of the city to extinguish a fire of major proportions. To alleviate the potentiality, the department let two contracts to cement-line water mains to strengthen water supply in key areas. The first contract called for the cleaning and cement-lining of water mains in West Roxbury district. The scope involved 1,010 linear feet of 12-inch cast-iron pipe; 12,000 linear feet of 16-inch cast-iron pipe; 4,850 linear feet of 20-inch cast-iron pipe; and 12,850 linear feet of 24-inch cast-iron pipe at a contract price of \$135,559.50. The second contract called for the same type of work in the Roxbury District. The scope involved 6,200 linear feet of 12-inch cast-iron pipe and 3,390 linear feet of 6-inch cast-iron pipe at a contract price of \$86,200.50.

Of equal importance is the same type of work to strengthen the Roxbury, South Boston supply by cleaning and cement-lining the 24-inch and 30-inch mains from Roxbury Crossing to Andrew Square.

Comprehensive Water Distribution Survey

Recognizing the potential hazards from insufficient supply of water in times of serious conflagrations, your Honor introduced a resolution in the City Council authorizing you to apply to the Housing and Home Finance Agency for an interest free loan for a complete evaluation of the requirements of the Boston water system. This resolution was passed on July 26, 1965, and approved on July 29, 1965, and formal application was made in the amount of \$175,000 on the same day. It is expected that favorable consideration will be made early in 1966. Upon completion of this study a long-range program of rehabilitation can be scientifically formulated.

FISCAL

The cost of operating the Public Works Department for the year 1965 amounted to \$28,772,789, of which \$5,364,088.56 was for Metropolitan Water Assessment and a total Metropolitan Sewer Assessment of \$1,822,-287.79, of which \$101,426.28 was for a 1964 underestimate. Snow Removal expenses amounted to \$803,980 and produced a net deficit of \$359,732. The amount of money available in the Sidewalk Loan on January 1, 1965, was \$758,750; \$33,135 was expended and \$79,109 in unliquidated encumbrances, with \$646,506 available in 1966. The amount of money available in the Bridge Loan on January 1, 1965, was \$1,929,520, with expenditures of \$203,669 and \$60,438 in unliquidated encumbrances, with \$1,665,413 available in 1966. The amount of money available in the Sewerage Loan on January 1, 1965, amounted to \$1,699,562, to which was added \$16,052 as revenue received. Expenditures amounted to \$698,171 and \$418,679 in unliquidated encumbrances, with \$598,764 available in 1966. The amount of money available in the Public Ways Loan on January 1, 1965, was \$2,829,-015. A 1965 appropriation of \$2,000,000 plus revenue received of \$443,893 made the amount available \$5,272,-908. Expenditures amounted to \$2,860,088 and \$2,192,131 in unliquidated encumbrances, with \$220,-689 available in 1966. Funds available from Accelerated Highway Funds are as follows: Chapter 782 of 1962, amount available on January 1, 1965, amounted to \$216,796. Expenditures amounted to \$179,470 with \$34,140 unliquidated encumbrances, with \$3,186 available in 1966. Chapter 822 of 1963, amount available on January 1, 1965, amounted to \$648,541. Expenditures amounted to \$561,960 with unliquidated encumbrances of \$52,928, with \$33,653 available in 1966. Chapter 679 of 1965, amount available \$2,280,208 in 1965, amount available on January 1, 1966, amounted to \$2,280,208.

The two revenue divisions' accounts are as follows:

Water Division

Balance from 1964	\$825,078 60
Receipts	9,285,064 14
	<hr/>
Total	\$10,110,142 74
Expenditures	9,206,904 09
	<hr/>
	\$903,238 65
Transfer of 1964 surplus to redemption of debt	579,240 76
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	\$323,997 89
Carried forward to Water Service Appropriations	277,376 60
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Surplus	\$46,621 29
	<hr/>

Sewer Division

Balance from 1964	\$12,041 50
Receipts	3,266,252 39
	<hr/>
	\$3,278,293 89
Expenditures	3,721,933 78
	<hr/>
Deficit	\$443,639 89

Appended hereto is the report submitted by the Public Improvement Commission and statistical data relative to the activities of the various divisions of the Public Works Department for the year 1965.

Respectfully submitted,

JOHN F. FLAHERTY,
Commissioner of Public Works.

ANNUAL REPORT OF THE
PUBLIC IMPROVEMENT COMMISSION

January 3, 1966.

HON. JOHN F. COLLINS,

Mayor of Boston.

Through the Commissioner of Public Works.

DEAR MR. MAYOR:

In accordance with the provisions of Section 36, Chapter 21, of the Revised City Ordinances of 1961, the following report of the Public Improvement Commission for the year ending December 31, 1965, is respectfully submitted.

STREET PROGRAM

During the period covered by this report 251 highway improvements were ordered by the Public Improvement Commission including the laying out of thirty-one new highways, the layout without construction of one new highway, the construction of one new highway, the installation of artificial stone sidewalks to replace bituminous concrete sidewalks in thirty-three new sidewalks, the widening and relocation of forty-seven public ways, the making of specific repairs in ninety-eight existing streets, the discontinuance of thirty-eight streets, the taking of an easement for sloping purposes in one street, and the discontinuance of a slope easement in one street.

LAYOUTS WITH CONSTRUCTION

The following streets were ordered laid out and constructed as public ways during the year 1965:

Allstate road, Dorchester, from Massachusetts avenue approximately 184 feet northeasterly. Length, 184 feet.

Belle avenue, West Roxbury, from Baker street to Northdale road. Length, 865 feet. Estimated cost, \$28,504. Estimated benefit, \$14,252.

Castle court, Boston Proper, from Dover street to Emerald court. Length, 434 feet.

Charles street footway, Dorchester, from Charles street to Toledo terrace. Length, 318 feet.

Copenger street, Roxbury, from Parker Hill avenue approximately 195 feet westerly. Length, 195 feet. Estimated cost, \$6,864. Estimated benefit, \$3,432.

Cromwell road, Hyde Park, from Huntington avenue approximately 260 feet westerly. Length, 260 feet. Estimated cost, \$7,707. Estimated benefit, \$3,853.02.

Dabney street, Roxbury, from Fountain street to Regent street. Length, 707 feet.

Emerald court, Boston Proper, from Shawmut avenue approximately 350 feet westerly, northerly, and westerly. Length, 350 feet.

Fenno street, Roxbury, from Walnut avenue approximately 200 feet easterly. Length, 200 feet.

Hansford street, Roxbury, from Warren street approximately 155 feet westerly. Length, 155 feet.

Holworthy street, Roxbury, between Hollander street and Holworthy street. Length, 240 feet.

Kensington park, Roxbury, from a point approximately 220 feet south of Rockland street approximately 440 feet northerly. Length, 440 feet.

Langley road, Brighton, from Washington street approximately 670 feet northwesterly. Length, 670 feet. Estimated cost, \$34,391. Estimated benefit, \$17,195.50.

Maplewood street, West Roxbury, from Sparrow street to 65 feet beyond Searle road. Length, 698 feet. Estimated cost, \$23,414. Estimated benefit, \$11,707.

Maria lane, West Roxbury, from Roslindale avenue approximately 430 feet southeasterly and southwesterly. Length, 430 feet. Estimated cost, \$15,137. Estimated benefit, \$8,686.

Marksdale street, Roxbury, from Harrishof street to Townsend street. Length, 241 feet.

Millicent way, Boston Proper, a public footway from Dover street northerly, westerly, and easterly to Shawmut avenue. Length, 738 feet.

New Chardon street, Boston Proper, from Cambridge street to Merrimac street. Length, 985 feet.

New Congress street, Boston Proper, from Sudbury street approximately 970 feet southerly. Length, 970 feet.

Newsome park, West Roxbury, from Eliot street approximately 265 feet northeasterly. Length, 265 feet. Estimated cost, \$7,517. Estimated benefit, \$3,758.50.

Paul place, Boston Proper, from Shawmut avenue westerly and northerly to Herald street. Length, 507 feet.

Pleasant street, Hyde Park, from Vose avenue to Metropolitan avenue. Length, 256 feet. Estimated cost, \$8,882. Estimated benefit, \$4,441.

Pleasant Valley circle, West Roxbury, from West Roxbury Parkway approximately 390 feet southeasterly. Length, 390 feet. Estimated cost, \$21,850. Estimated benefit, \$10,925.

Ralston road, Hyde Park, from Taunton avenue to Ralwood road. Length, 365 feet. Estimated cost, \$12,562. Estimated benefit, \$6,281.

St. Richard street, Roxbury, from Walnut avenue approximately 360 feet easterly. Length, 360 feet.

St. Theresa avenue, West Roxbury, from Maplewood street to Crockers Lane. Length, 298 feet. Estimated cost, \$12,266. Estimated benefit, \$6,133.

Salman street, West Roxbury, from Crossman avenue to Stimson street. Length, 487 feet. Estimated cost, \$20,109.20. Estimated benefit, \$10,054.60.

Slocum road, West Roxbury, from a point approximately 250 feet northeast of Surreyhill lane approximately 480 feet southeasterly. Length, 480 feet. Estimated cost, \$19,188. Estimated benefit, \$9,594.

Stone terrace, Dorchester, from Gallivan Boulevard approximately 200 feet southerly. Length, 200 feet. Estimated cost, \$7,090. Estimated benefit, \$3,545.

Village court, Boston Proper, from Dover street approximately 350 feet northeasterly. Length, 350 feet.

Washington Park Boulevard, Roxbury, from Humboldt avenue to a point approximately 120 feet west of Walnut avenue. Length, 662 feet.

WIDENINGS AND RELOCATIONS

Academy Hill road, Brighton, at the easterly corner of Parkland street and the southerly corner of Chestnut Hill avenue.

Allston street, Charlestown, at the northwesterly corner of Medford street.

Bakersfield street, Dorchester, at the northwesterly corner of Stoughton street and the southwesterly corner of Annapolis street.

Bennett street, Brighton, at the northwesterly and southwesterly corners of Parsons street.

Binney street, Roxbury, at the northwesterly corner of Peabody street and the southeasterly corner of Children's Way.

C street, South Boston, at the southeasterly corner of West First street.

Circuit street, Roxbury, from Fountain street to Walnut avenue.

Clark street, Boston Proper, on the northeasterly side, from a point approximately 80 feet northeast of Hanover street approximately 52 feet northeasterly.

Clayton street, Dorchester, at the southwesterly corner of Fenton street; the southwesterly corner of Granger street; and the southerly corner of Leonard street.

Congress street, Boston Proper, at the northwesterly corner of Franklin street.

Cufflin street, Brighton, at the northerly corner of Ricker terrace and the southerly corner of Tremont street.

Curtis street, East Boston, at the easterly corner of Saratoga street.

Dacia street, Dorchester, at the northwesterly corner of Quincy street, and northeasterly corner of Wayland street.

Dale street, Roxbury, from Warren street approximately 100 feet west of Sherman street.

East Third street, South Boston, at the northeasterly corners of L street and N street; the northwesterly corner of M street; and the southwesterly corner of M street.

Faneuil street, Brighton, on the southerly side, between Fairbanks street and Beechcroft street.

Forest Hills street, West Roxbury, on the southerly side, from the Arborway to Cemetery road.

Glenway street, Dorchester, at the northerly corner of Erie street; the easterly corners of Erie street and Harlem street; the northeasterly corners of York street and Roxton street; the southeasterly corners of Maybrook street and Brenton street; and the southerly corner of Page street.

Halifax street, West Roxbury, at the northeasterly, northwesterly, southeasterly, and southwesterly corners of Ashcroft street.

Hanover street, Boston Proper, on the southwesterly side, from Clark street approximately 80 feet southwesterly.

Haverhill street, Boston Proper, on the southwesterly side, from a point approximately 40 feet southwest of Causeway street approximately 90 feet southwesterly.

Hillside street, Roxbury, at the northeasterly and northwesterly corners of Frawley street; the northeasterly and northwesterly corners of Oswald street; the northeasterly, northwesterly, and southwesterly corners of Calumet street; and the northeasterly and northwesterly corners of Cherokee street.

Humphreys place, Dorchester, at the northerly corner of Humphreys street.

Magnolia street, Dorchester, at the northerly corner of North Woodford street; the northerly and westerly corners of Robin-hood street; the northerly and westerly corners of Lingard street; and the northerly and westerly corners of Magnolia place.

Merrimac street, Boston Proper, from Sudbury street to Portland street.

Mt. Hope street, West Roxbury, at the northerly corner of Canterbury street.

Myrtle street, West Roxbury, on the easterly side, approximately 350 feet south of Pond street, and at the southerly corner of Pond street.

Porter street, East Boston, at the northerly corner of Bennington street.

Ramsey street, Dorchester, at the southerly corner of Hamlet street.

Rockland street, Roxbury, from Walnut avenue approximately 20 feet east of Sherman street.

Rockview street, West Roxbury, at the westerly corner of St. John street; the northerly corner of Robinwood avenue; and the westerly and southerly corners of Spring Park avenue.

Saunders street, Brighton, at the easterly corner of Cambridge street.

Shawmut avenue, Boston Proper, on the westerly side, from Dover street to Herald street.

Shawsheen road, East Boston, at the southwesterly corner of Saratoga street.

Sherman street, Roxbury, from Rockland street to Dale street.

Sudbury street, Boston Proper, from a point approximately 290 feet southwest of Blackstone street to Blackstone street.

Sullivan street, Charlestown, at the northerly corner of High street and the southerly corner of Russell street.

Surface road, Boston Proper, at the northeasterly corner of Arlington street.

Surrey street, Brighton, at the northerly, southerly, easterly, and westerly corners of Leicester street and the northeasterly, northwesterly, and southwesterly corners of Parsons street.

Teragram street, East Boston, at the southeasterly and southwesterly corners of Saratoga street.

Tremont street, Boston Proper, on the southeasterly side, from Dover street to Herald street.

Walnut avenue, Roxbury, from St. Richard street to Warren street and from St. Richard street to Rockland street.

Warren street, Roxbury, between Dale street and Hazelwood street and from Dale street to Walnut avenue.

Washington street, Dorchester, on the easterly side, from Eldon street approximately 130 feet northwesterly.

Willis street, Dorchester, at the easterly corner of Dawes street and the northerly and easterly corners of Chase street.

SPECIFIC REPAIRS

Academy Hill road, Brighton, at the westerly corner of Chestnut Hill avenue; the northerly and westerly corners of Mt. Vernon street; the southeasterly corner of Washington street; and the southerly corner of Parkland street.

Allston street, Charlestown, at the northeasterly corner of Medford street.

Bakersfield street, Dorchester, at the easterly corner of Willis street and the southerly corner of Hinckley street.

Beacham street, Charlestown, at the northeasterly corner of West street and the southeasterly corner of Main street.

Beacon street, Boston Proper, at the intersection of Charles street.

Belvidere street, Boston Proper, at the northeasterly and northwesterly corners of St. Cecilia street; the southwesterly corner of Dalton street; and at the intersection of Huntington avenue.

Bennett street, Brighton, at the northeasterly and south-easterly corners of South Hobart street.

Bennington street, East Boston, at the intersection of Neptune road.

Binney street, Roxbury, at the northeasterly corner of Deaconess road.

Bowdoin street, Percival street, and Quincy street, Dorchester, at their intersection.

Branch street, Boston Proper, at the northeasterly corner of Charles street.

Branch street, Boston Proper, at the northerly corner of Charles street.

Brayton road, Brighton, at the easterly and westerly corners of Brayton terrace and Ryder Hill road.

Breed street, East Boston, at the southeasterly corner of Bennington street.

Brooks street, East Boston, at the southeasterly and southwesterly corners of Bremen street; the northerly, easterly, and southerly corners of Chelsea street; easterly, southerly, and westerly corners of Morris street; northerly, southerly, and westerly corners of Paris street; northerly corner of Bennington street; northerly, southerly, easterly, and westerly corners of Saratoga street, Princeton street, and Eutaw street; northerly corner of Lexington street; easterly, southerly, and westerly corners of Tremont street; westerly corner of Monmouth street; northwesterly, northeasterly, and southwesterly corners of White street; northwesterly and southwesterly corners of West Eagle street; northeasterly, southeasterly, northwesterly, and southwesterly corners of Falcon street; and the northeasterly and northwesterly corners of Condor street.

Brooks street, East Boston, on the easterly side, at a bend 40 feet south of White street.

Brunswick street, Dorchester, at the northwesterly and northeasterly corners of Columbia road.

C street, South Boston, at the southwesterly corner of West First street; southwesterly corner of Cypher street; southwesterly and northwesterly corners of Louis street; northeasterly and southeasterly corners of Claflin street; and southeasterly and southwesterly corners of Fargo street.

Cambridge street, Brighton, at the northeasterly corners of Emery road and Denby road.

Cedar street, Charlestown, at the southeasterly and southwesterly corners of High street and the northeasterly and southeasterly corners of Laurel street.

Charter street, Boston Proper, at the southeasterly corner of Unity street; northeasterly and northwesterly corners of Henchman street; northeasterly and northwesterly corners of Foster street; northeasterly and northwesterly corners of Copp's Hill terrace; and at the southeasterly and southwesterly corners of Snow Hill street.

Clayton street, Dorchester, at the northwesterly corner of Fenton street and the northerly corner of Leonard street.

Clifford street, Roxbury, at the southeasterly corner of Blue Hill avenue.

Commonwealth avenue, Brighton, at the intersection of Beacon and Raleigh streets and at the intersection of Pleasant and Gaffney streets.

Cooper street, Boston Proper, at the northeasterly and southeasterly corners of Washington Street North; southeasterly and southwesterly corners of Stillman place; northeasterly and southeasterly corners and southwesterly and northwesterly corners of North Margin street; and northwesterly and southwesterly corners of Salem street.

Cottage street, East Boston, at the northeasterly and northwesterly corners of Sumner street and southeasterly and southwesterly corners of Webster street.

Cufflin street, Brighton, at the southerly corner of Ricker terrace and the westerly corner of Tremont street.

Curtis street, East Boston, at the northwesterly corner of Chaucer street; northerly, southerly, and westerly corners of Saratoga street; and southeasterly and southwesterly corners of Bennington street.

Dacia street, Dorchester, at the northwesterly and southwesterly corners of Dove street; the southeasterly corner of Wayland street; the southeasterly and southwesterly corners of Woodcliff street; and the northeast corner of Quincy street.

Dalton street, Boston Proper, at the northeasterly corner of Dalton street at Belvidere street.

Decatur street, East Boston, at the northeasterly and northwesterly corners of London street; northerly, easterly, and southerly corners of Liverpool street; and northeasterly and northwesterly corners of Border street.

Dickens street, Dorchester, at the northeasterly and southeasterly corners of Adams street.

Dorchester avenue, Dorchester, from a point approximately 420 feet south of Adams street to Gallivan Boulevard.

Dresden street, West Roxbury, at the northwesterly corner of Boylston street.

East Broadway, South Boston, from M street to Farragut road, at the following locations: four corners of M street; four corners of O street; four corners of P street; northwesterly

corner of Farragut road; and southwesterly corner of Farragut road.

East Third street, South Boston, at the southwesterly corner of L street; southeasterly corner of N street; four corners of O street; four corners of P street; and northwesterly and southwesterly corners of Farragut road.

Edgewood street, Roxbury, at the northeasterly and northwesterly corners of Southwood street and northerly and southerly corners of Blue Hill avenue.

Endicott street, Boston Proper, at the northerly corner of La Fayette avenue; southerly corner of North Margin street; northerly and easterly corners of Stillman street; and northerly and easterly corners of Morton street.

Ernst street, Roxbury, at the northeasterly corner of Bragdon street.

Faneuil street, Brighton, at the westerly corner of Adair road; both corners of Montfern avenue; westerly corner of Oak Square avenue; easterly corner of Dunboy street; both corners of Brook street; easterly corner of Fairbanks street; both corners of Turner street; both corners of Beechcroft street; northerly corner of Bothwell road; both corners of Madeline street; southerly corner of Parsons street, between Brackett street and Montfern avenue; from Montfern avenue approximately 80 feet easterly; from Dunboy street approximately 240 feet easterly; from Hobson street approximately 400 feet easterly (northerly side); between Arlington street and Harriet street on the southerly side; between Bothwell road and Newcastle road on the northerly side; from Madeline street approximately 130 feet westerly on the southerly side; and between Madeline street and Parsons street on the southerly side; and at Arlington street.

Fleet street, Boston Proper, at the southerly corner of Hanover street; the southerly and westerly corners of Garden Court street; and the southerly corner of Moon street.

Frankfort street, East Boston, on the northerly side, at a bend 150 feet southwest of Neptune road.

Gardner street, Roxbury, at the southeasterly and southwesterly corners of Centre street.

Glenway street, Dorchester, at the easterly corner of Old road; the southerly corner of Drummond street; the southerly and westerly corners of Fowler street; the southwesterly corner of Bradshaw street; and the northeasterly corner of Maybrook street.

Green street, Charlestown, at the northwesterly corner of Bunker Hill street and the southwesterly corner of High street.

Half Moon street, Dorchester, at the southwesterly corner of Magnolia street.

Halleck street, Roxbury, at the northerly corner of Station street and the northeasterly and northwesterly corners of Prentiss street.

Hancock street, Charlestown, at the southeasterly and southwesterly corners of Green street and the northeasterly and northwesterly corners of Elm street.

Hanover avenue, Boston Proper, at the southeasterly and northeasterly corners of Hanover street.

Harris street, Boston Proper, at the northwesterly and southwesterly corners of Hanover street.

Harvard avenue, Brighton, at the northeasterly and south-easterly corners of Glenville terrace and the northwesterly and southwesterly corners of Harvard terrace.

Hillside street, Roxbury, at the southeasterly and southwesterly corners of Sunset street; southeasterly and southwesterly corners of Eldora street; southwesterly and south-easterly corners of Wait street; northeasterly and northwesterly corners of Darling street; northwesterly and south-easterly corners of Sachem street; northwesterly corner of Pontiac street; and southeasterly corner of Parker street.

Humphreys place, Dorchester, at the southerly corner of Humphreys place.

L street, South Boston, from East Fourth street to Columbia road, on the westerly side, between East Fourth street and Emerson street.

L street, South Boston, at the southwesterly corner of East Fourth street; four corners of East Fifth street; four corners of East Sixth street; four corners of East Seventh street; four corners of East Eighth street; and four corners of Marine road.

Lawnwood place, Charlestown, at the southeasterly and southwesterly corners of Main street.

Ludlow street, Charlestown, at the northeasterly and northwesterly corners of Mead street and the southeasterly and southwesterly corners of Eden street.

Magnolia street, Dorchester, at the westerly corner of Dudley street; northerly and southerly corners of Lebanon street; northerly and southerly corners of Oleander street; northerly and southerly corners of Chamblet street; northerly and south-easterly corners of Magnolia square; northerly corner of Emrose terrace; northerly and southerly corners of Wayland street (North); northerly and southerly corners of Wayland street (South); southeasterly corner of Bird street; northwesterly and easterly corners of Quincy street; and southerly corner of South Woodford street.

Margaret street, Boston Proper, at the southwesterly corner of Sheafe street, and at the northwesterly and southwesterly corners of Cleveland place.

Maverick street, East Boston, at the northerly, easterly, southerly, and westerly corners of Havre street; northeasterly and northwesterly corners of London street; northeasterly and northwesterly corners of Liverpool street; and northeasterly and northwesterly corners of Border street.

Moon street, Boston Proper, at the southeasterly corner of Sun Court street and southeasterly and southwesterly corners of Lewis street.

Murdock street, Brighton, at the easterly corner of Cambridge street and the northerly, easterly, southerly, and westerly corners of Sparhawk street.

Myrtle street, Boston Proper, on the northerly side, at a bend 100 feet east of Grove street.

Myrtle street, Boston Proper, at the northeasterly, southeasterly, and southwesterly corners of Anderson street; northeasterly corner of Gardner street; northeasterly corner of Irving street; northeasterly corner of South Russell street; northwesterly and southwesterly corners of Joy street; and the southwesterly corner of Hancock street.

Myrtle street, Boston Proper, at the northeasterly, southeasterly, and southwesterly corners of Anderson street; northeasterly corner of Gardner street; northeasterly and northwesterly corners of Irving street; northwesterly and northeasterly corners of South Russell street; northeasterly, southeasterly, northwesterly, and southwesterly corners of Joy street; and the southwesterly corner of Hancock street.

Myrtle street, Boston Proper, on the northerly side, at the bend 100 feet east of Grove street.

New street, East Boston, at the southeasterly and southwesterly corners of Sumner street and southeasterly corner of Maverick street.

North Bennet street, Boston Proper, at the northerly corner of Hanover street and the northeasterly corner of Wiggen street.

North Margin street, Boston Proper, at the northwesterly and northeasterly corners of Stillman street and the southeasterly corner of Thacher street.

Orkney road, Brighton, at the easterly and westerly corners of Ayr road.

Paris street, East Boston, at the southwesterly corner of Sumner street; southeasterly corner of Henry street; northeasterly and southeasterly corners of Winthrop street; northwesterly and southwesterly corners of Maverick street; and northeasterly and northwesterly corners of Meridian street.

Parmenter street, Boston Proper, at the northerly corner of Hanover street.

Pembroke street, Boston Proper, at the southwesterly corner of Warren avenue; northerly and easterly corners of Private Alley No. 526; southerly and westerly corners of Private Alley No. 528; and the northwesterly corner of Tremont street.

Pembroke street, Boston Proper, at the southwesterly corner of Warren avenue; both corners of Alley No. 526; both corners

of Alley No. 528; and the southwesterly corner of Tremont street.

Porter street, East Boston, at the southwesterly corner of Bremen street and the southwesterly corner of Chelsea street.

Prince street, Boston Proper, at the southerly and easterly corners of Hanover street.

Ramsey street, Dorchester, at the northeasterly corner of Dudley street.

Rockview street, West Roxbury, at the northerly and westerly corners of Parley avenue and the westerly corner of Robinwood avenue.

Rosseter street, Dorchester, at the northwesterly corner of Bullard street; southerly and northerly corners of Mallon road; northwesterly and southeasterly corners of Wilcutt place; both corners of Grant road; and the intersection of Eldon street on the northerly side.

Salutation street, Boston Proper, at the southeasterly corner of Hanover street and at the northwesterly and southwesterly corners of Commercial street.

Saratoga street, East Boston, at the northwesterly and southwesterly corners of Prescott street; northerly, easterly, southerly, and westerly corners of Putnam street; and northerly, easterly, southwesterly, and westerly corners of Marion street.

Saunders street, Brighton, at the westerly corner of Cambridge street and easterly and westerly corners of North Beacon street.

School street, Charlestown, at the northwesterly corner of Bunker Hill street and the northeasterly corner of High street.

Seaver street, East Boston, at the southwesterly corner of Webster street and northwesterly corner of Sumner street.

Shawsheen road, East Boston, at the southeasterly corner of Saratoga street.

Sleeper street, South Boston, at the southwesterly corner of Congress street.

Sullivan street, Charlestown, at the southeasterly corner of Main street; southerly and westerly corners of High street; both corners of Wesley street; both corners of Mason court; northerly, westerly, and easterly corners of Russell street; both corners of Avon place; and both corners of Wall street.

Surrey street, Brighton, at the northerly and westerly corners of Market street and the southeasterly corner of Parsons street.

Tileston street, Boston Proper, at the westerly corner of Hanover street.

Trenton street, Charlestown, at the northeasterly and northwesterly corners of Bunker Hill street.

Tuttle street, Dorchester, at both corners of Hartland street.

Tuttle street, Dorchester, at the northeasterly and northwesterly corners of Hartland street.

Walk Hill street, West Roxbury, at the northerly corner of Fottler road.

West Cedar street, Boston Proper, at the northeasterly corner of Phillips street.

Westbrook street, East Boston, at the northeasterly and northwesterly corners of Bennington street.

White street, East Boston, at the northeasterly corner of Putnam street.

Willis street, Dorchester, at the northeasterly corner of Sumner street.

Wood avenue, Hyde Park, at intersection with Tacoma street and with Farrar avenue; and on the northerly side at the bend approximately 150 feet northeast of Noah street.

SIDEWALKS

The Public Improvement Commission ordered the installation of artificial stone sidewalks on the following streets:

Academy Hill road, Brighton, at various locations from Washington street to beyond Rushmore street.

Bakersfield street, Dorchester, between Willis street and Stoughton street.

Bennett street, Brighton, between Parsons street and South Hobart street.

Braemore road, Brighton, between Commonwealth avenue and Chiswick road.

Brunswick street, Dorchester, various locations from Columbia road approximately 250 feet northwesterly.

C street, South Boston, at various locations between West First street and a point approximately 370 feet north of Fargo street.

Clayton street, Dorchester, at various locations between Freeport street and Dickens street.

Dresden street, West Roxbury, at various locations on the northwesterly side, from Spring Park avenue to Boylston street.

East Third street, South Boston, at various locations from O street to Farragut road.

Edgewood street, Roxbury, at various locations between Warren street and Blue Hill avenue.

Ernst street, Roxbury, at various locations between Bragdon street and West Walnut park.

Faneuil street, Brighton, at various locations between Oak Square avenue and Parsons street.

Flint street, Dorchester, at various locations from Norfolk street approximately 385 feet southeasterly.

Fordham road, Brighton, at various locations from Commonwealth avenue to Brighton avenue.

Forest Hills street, West Roxbury, from Arborway to Williams street.

Frankfort street, East Boston, from Neptune road to a point approximately 300 feet southwesterly.

Half Moon street, Dorchester, between Magnolia street and Lingard street.

Halleck street, Roxbury, at various locations between Station street and Prentiss street.

Hancock street, Charlestown, from Green street to Elm street.

Humphreys place, Dorchester, on the northeasterly and southwesterly sides, from Humphreys street approximately 340 feet northwesterly.

Miles street, Roxbury, at various locations between Bragdon street and West Walnut park.

Mt. Hope street, West Roxbury, at various locations between American Legion Highway and Mt. Hope Cemetery.

Murdock street, Brighton, at various locations between Cambrdge street and a point approximately 450 feet northeasterly.

Myrtle street, West Roxbury, at various locations from Centre street to Pond street.

Neponset avenue, West Roxbury, at various locations between Canterbury street to and across Halliday street.

Orchard road, Brighton, at various locations between Corey street and the Brookline boundary line.

Pasadena road, Dorchester, at various locations between Normandy street and Columbia road.

Rockview street, West Roxbury, at various locations from Green street to Spring Park avenue.

Rosseter street, Dorchester, at various locations from Bowdoin street to Eldon street.

Saunders street, Brighton, at various locations between Cambridge street and North Beacon street.

Scottfield road, Brighton, at various locations between Commonwealth avenue and Kelton street.

Surrey street, Brighton, at various locations between Market street and Foster street.

Willis street, Dorchester, at various locations from Sumner street to Pleasant street.

DISCONTINUANCES

Adams square, Boston Proper, a portion of Adams square, at southeasterly corner of Washington street.

Albion street, Boston Proper, from Dover street to Herald street.

Arcadia terrace, Dorchester, a portion of Arcadia terrace, from a point approximately 110 feet south of Arcadia street approximately 40 feet southerly to the dead end.

Catawba street, Roxbury, a portion of Catawba street, from Sherman street approximately 95 feet westerly.

Central street, Boston Proper, a portion of Central street, from Broad street approximately 85 feet southwesterly.

Charles street footway, Dorchester, from Charles street to Toledo terrace.

Cherry street, Boston Proper, a portion of Cherry street, from Washington street approximately 138 feet westerly.

Clark street, Boston Proper, a portion of Clark street, on the northeasterly side, from Hanover street approximately 80 feet northeasterly.

Cobb street, Boston Proper, from Shawmut avenue to Washington street.

Compton street, Boston Proper, a portion of Compton street, from Tremont street to Shawmut avenue.

Compton street, Boston Proper, a portion of Compton street, from Shawmut avenue to Washington street.

Congress street, Boston Proper, a portion of Congress street, at the northwesterly corner of Franklin street.

Crestway road, East Boston, a portion of Crestway road, at the southeasterly corner of Waldemar avenue.

Devonshire street, Boston Proper, a portion of Devonshire street, from Adams square to State street.

Emerald street, Boston Proper, from Dover street to Herald street.

Fayette street, Boston Proper, a portion of Fayette street, from Marginal road approximately 111 feet easterly.

Fellows street, Roxbury, a portion of Fellows street, from Hunneman street to Randall street.

Fenno street, Roxbury, from Rockland street to St. Richard street.

Garland street, Boston Proper, from Shawmut avenue to Washington street.

Hanover street, Boston Proper, a portion of Hanover street, on the southwesterly side, from Harris street approximately 17 feet southwesterly.

Haverhill street, Boston Proper, a portion of Haverhill street, on the southwesterly side from Causeway street approximately 70 feet southwesterly.

Hingham street, Boston Proper, from Emerald street to Shawmut avenue.

Lansing street, Roxbury, from Warren street to Sherman street.

Lorimer place, Roxbury, from Warren street approximately 170 feet westerly.

Lucas street, Boston Proper, a portion of Lucas street, from Middlesex street to Shawmut avenue.

Lucas street, Boston Proper, a portion of Lucas street, from Washington street approximately 160 feet westerly.

Mayo street, Boston Proper, from Cobb street to Herald street.

Middlesex street, Boston Proper, from Dover street to Herald street.

Paul street, Boston Proper, from Tremont street to Emerald street.

Randall street, Roxbury, a portion of Randall street, from Harrison avenue to Fellows street.

Rockland street, Roxbury, a portion of Rockland street, from Warren street approximately 190 feet westerly.

St. Richard street, Roxbury, from Warren street to Walnut avenue.

Sherman street, Roxbury, a portion of Sherman street, from Bower street to Dale street.

Village street, Boston Proper, from Dover street to Herald street.

Waldemar avenue, East Boston, a portion of Waldemar avenue, from Crestway road approximately 260 feet easterly, and from a point approximately 700 feet east of Crestway road approximately 1,390 feet easterly.

Walnut avenue, Roxbury, a portion of Walnut avenue, from Warren street approximately 250 feet southwesterly.

Washington street, West Roxbury, between Maplewood street and Grouse street.

Westerly passageway, Boston Proper, a portion of the footway under Haymarket square, from the southwesterly corner of Washington street at Merrimac street to approximately 133 feet northwesterly.

EMINENT DOMAIN LAND TAKINGS

During the period of this report, a land taking was made for municipal purposes as follows:

Parks and Recreation Department: The taking of approximately 73,527 square feet of land, for cemetery purposes, supposed to belong to Paul and Ida Sergi, situated in the Hyde Park District, under an order of

this Commission and Mayor dated April 6, 1965, and recorded in the Suffolk Registry of Deeds on May 11, 1965.

School Buildings Department: The taking of approximately 44,833 square feet of land, for school purposes, supposed to belong to Michael J. and Gloria C. Donovan, Prince A. Hoar, person or persons unknown, Barbara M., Annie J., and Maria Walsh, Dennis and Mary Kennedy, John J. Mahoney, and North Easton Realty, situated in the Dorchester District, under an order of this Commission and Mayor dated January 26, 1965, and recorded in the Suffolk Registry of Deeds on February 26, 1965.

SEWER PROGRAM

During the year 1965 the construction of 3.18 miles of sanitary sewer, 3.62 miles of storm sewer, 81 catch basins, and 31 drop inlets were ordered at a total estimated cost of \$673,730.80.

Estimated benefit to private property for the construction of the 3.18 miles of sanitary sewer amounted to \$301,662.88.

The following sewer easements were ordered discontinued:

Private land, Brighton, from a point approximately 180 feet northerly of Undine road approximately 150 feet northwesterly and northerly.

Private land, Brighton, from Lake Shore road to the Newton boundary line.

Private land, Dorchester, between Park street and Christopher street.

Private land (Saw Mill Brook), West Roxbury, from a point approximately 230 feet southeast of the Boston-Newton boundary line approximately 860 feet easterly, northerly, and easterly to the Boston-Brookline boundary line.

Sewerage works were ordered as follows:

SEWERAGE WORKS ORDERED

STREET	Sanitary Sewer (Linear Feet)	Surface Drain (Linear Feet)	Catch Basins	Drop Inlets	Cost	Estimated Benefit
Boston Proper						
Castle court			2		\$1,250 00	
Emerald court	140	138	2		4,900 00	
Herald street		500	1		13,250 00	
Millicent Way	535	545	2	2	17,560 00	
Paul place	540	545	1		13,490 00	
Shawmut avenue	1,000	995	1		61,470 00	
Tremont street	875	945	1	3	51,100 00	
Village court			2		1,250 00	
Brighton						
*Burton street	206	211	2		7,600 00	\$4,125 03
Camelot court		570	2		10,180 00	
*Euston road	180	188			7,760 00	5,445 00
*Lake Shore court and private land	913	380	2	7	58,700 00	45,750 00
*Lake Shore road and Lake Shore terrace and private land and Alice E. Gallagher Memorial Park	1,374	1,193	6	12	65,800 00	
	265	267	2	3	10,000 00	
		223	1		3,000 00	
		150	1		3,000 00	
Langley road		650			81,800 00	51,900 00
*Presentation road	190	193	2		13,800 00	
*Private land (Newton street)	599	585			7,300 00	3,900 05
					14,750 00	9,000 00
Dorchester						
Allstate road		103	4	4	1,195 00	
*Hebron street	265	265	2		6,830 00	4,158 00
East Boston						
*Swan avenue	530	520	3		14,100 00	7,597 50
Hyde Park						
Church street		394			6,700 00	
*Dedham street	875	919	7		24,100 00	12,040 00
*Fairmount avenue	50				1,650 00	1,237 50
*Pine avenue	269	336	2		11,050 00	2,653 52
*Pinefield Lane	100	98	1		2,700 00	663 38
*Pinefield road	438	428	3		10,980 00	9,950 70
*Sefton street	180	180			6,230 00	4,357 50
*Summit Circle	190	190			4,320 00	2,962 50
*Thompson street	1,217	1,217	4		32,600 00	40,420 00
Thorn street			2		1,200 00	
West Roxbury						
*Carol Circle	445	445	2		14,600 00	8,925 00
*Cedarcrest Lane	300	286			8,040 00	5,411 14
*Cedarcrest road	1,170	1,167	5		41,820 00	22,417 58
*Cedarcrest terrace	240	245	2		6,640 00	4,638 12
*Clarendon road	320	323			6,700 00	2,930 00
*Cowine street	120	120			5,760 00	2,905 50
*Cowine street	310	308	2		12,825 00	5,796 45
*Crest street	150	505	4		10,930 00	2,437 50
*Crosstown avenue	240	242	1		4,970 00	
*Delore Circle	150	155			4,455 80	2,075 85
*Earnshaw street	180	183			4,360 00	2,865 00
*Hazelmere road	170				3,070 00	3,000 00
*Mann street	65	68			1,000 00	
*Manning street	190	384			9,400 00	4,275 00
*Maplewood street	155	162			6,020 00	2,625 00
*Metropolitan Circle	218	213	1		8,340 00	4,755 00
Mt. Vernon street	125	125			3,780 00	2,625 00
*Pleasant Valley Circle	715	703	3		13,995 00	7,897 56
*Ridgecrest Drive	590	576	3		17,210 00	9,922 50

* Easements Taken

AYOUT WITHOUT CONSTRUCTION

Walford Way, Charlestown, from Polk street to Decatur street. Length, 1,677 feet.

CONSTRUCTION

Wesley place, Boston Proper, from Hanover street approximately 110 feet northeast of Parmenter street. Length, 110 feet.

SLOPE EASEMENT DISCONTINUANCE

Cambria and Scotia streets, Boston Proper, from Dalton street to St. Cecilia street.

SLOPE EASEMENT

Private land (Humboldt avenue), Roxbury, at the easterly side of Humboldt avenue, between Laurel street and Washington Park Boulevard.

STREET NAME CHANGES

Bower street, Roxbury, from Warren street to Humboldt avenue; new name, Washington Park Boulevard.

Charlame place, Roxbury, from Ottawa street approximately 160 feet southerly; new name, South Charlame court.

Munroe street, Roxbury, from Hazelwood street to approximately 150 feet northwesterly; new name, Hazelwood court.

Munroe street, Roxbury, from Warren street to Hazelwood street; new name, Hazelwood street.

Ottawa street, Roxbury, from Laurel street approximately 590 feet easterly and 220 feet northerly to Catawba street; new name, Charlame street.

Richards street, South Boston, from Granite street to A street; new name, Granite street.

South Charlame court, Roxbury, from Ottawa street approximately 165 feet southerly; new name, South Charlame terrace.

South Charlame terrace, Roxbury, from Ottawa street approximately 172 feet southerly; new name, Charlame place.

Van Rensselaer place, Boston Proper, from Tremont street approximately 235 feet northwesterly; new name, Allen's Alley.

LAND DAMAGE

On new street construction 250 claims were filed for damages to property resulting from land takings or changes in grades. On these claims, this Commission awarded damages in the amount of \$58,621.22.

PRIVATE WAYS

During the year 1965 permission was given to prepare for public travel the following private ways:

Carol Circle, West Roxbury, from Washington street approximately 420 feet northwesterly.

Fairlawn avenue, Dorchester, from Greenfield road to Bismarck street.

Franclaire Drive, West Roxbury, from Cowing street approximately 475 feet southwesterly.

Lake Shore road, Brighton, from the end of the existing public portion to Kenrick street.

Lake Shore terrace, Brighton, from Lake Shore road approximately 300 feet southerly.

Linda Lane, Dorchester, from Savin Hill avenue approximately 240 feet southerly.

Metropolitan Circle, West Roxbury, from Metropolitan avenue approximately 160 feet northeasterly.

Pine avenue, Hyde Park, from Como road to West Milton street.

Pinefield Lane, Hyde Park, from Pinefield road to West Milton street.

Pinefield road, Hyde Park, from Pine avenue approximately 430 feet westerly.

Walnut street, West Roxbury, from a point approximately 288 feet southeast of Spring street to approximately 160 feet southeasterly.

During the year 1965 permission was given to open for public travel the following private ways:

Cedarcrest Circle, West Roxbury, from Cedarcrest road approximately 540 feet easterly.

Cedarcrest road, West Roxbury, from Woodley avenue approximately 340 feet southeasterly.

Edson street, Hyde Park, from Chesterfield street to Morton street.

Edson terrace, Hyde Park, from Edson street approximately 90 feet northwesterly.

Holly road, West Roxbury, from Jewett street approximately 330 feet southeasterly.

Irena road, Dorchester, from Adams street approximately 160 feet northwesterly and westerly.

Manning street, West Roxbury, from a point approximately 186 feet northeast of Gilman street approximately 229 feet northeasterly and easterly.

Martha road, Boston Proper, from a point approximately 500 feet east of Leverett Circle to Lowell street.

Prospect Circle, Hyde Park, from Prospect street approximately 190 feet southeasterly.

Raynes road, Hyde Park, from Prospect street approximately 240 feet southeasterly.

Red Pine road, Hyde Park, from Milton avenue approximately 260 feet southwesterly.

Schubert street, West Roxbury, from Washington street approximately 200 feet northwesterly.

Slocum road, West Roxbury, from a point approximately 230 feet northeast of Surreyhill Lane (formerly Surreyhill road) approximately 461 feet northeasterly.

Stearns road, West Roxbury, from a point approximately 338 feet northwest of Washington street approximately 235 feet northwesterly.

Thorn street, Hyde Park, from River street approximately 260 feet northeasterly.

ASSESSMENTS

During the year 1965 the Highway Division of the Public Works Department sent notice of completion of six streets at a total cost of \$90,251.06. On this work the Public Improvement Commission levied assessments in the amount of \$29,867.07.

During the same period the Sewer Division of the Public Works Department reported the completion of construction of sanitary sewerage in twenty streets at a cost of \$171,658.20, on which the Public Improvement Commission levied assessments in the amount of \$72,040.64.

With the abolishment of sewer entrance fees by the Supreme Court in 1959, the Public Improvement Commission was empowered to assess parcels of land within a reasonable time after connections were made to sewer from estates that had never paid an assessment for the original improvement. The following is a list of streets in which connections were made:

STREET	DISTRICT	ASSESSMENT
Albright street.....	West Roxbury	\$78 50
Beaufield street.....	Dorchester	400 00
Beryl street.....	West Roxbury	85 90
Bowdoin street.....	Boston Proper	38 00
Cromwell street.....	Hyde Park	110 98
Dent street.....	West Roxbury	826 57
Farragut road.....	South Boston	70 00
Furbush road.....	West Roxbury	240 00
Hallet street.....	Dorchester	245 00
Hodgdon terrace.....	West Roxbury	160 00
Imbaro road.....	Hyde Park	50 00
Kingsland road.....	West Roxbury	71 57
Kingsland road.....	West Roxbury	63 58
Lincoln street.....	Hyde Park	41 00
Metropolitan avenue.....	Hyde Park	65 60
National street.....	South Boston	6 95
Neponset Valley Parkway.....	Hyde Park	321 06
Pomeroy street.....	Brighton	16 71
Poplar street.....	West Roxbury	263 60
Willow court.....	Dorchester	436 56
Total.....		\$3,591 58

During the year 1965 the Highway Division of the Public Works Department sent notice of completion of sidewalks in eight streets at a total cost of \$72,008.25. On these the Public Improvement Commission levied assessments of \$32,141.97.

STREET ASSESSMENTS

STREET	DISTRICT	COST	ASSESSMENT
Goff street.....	Hyde Park.....	\$23,112 00	\$6,500 01
Leseur road.....	Hyde Park.....	8,617 32	2,549 98
Maida terrace.....	Hyde Park.....	11,300 04	3,333 02
New Park avenue.....	West Roxbury..	18,126 02	6,733 99
Ralwood road.....	Hyde Park.....	12,365 24	5,232 07
Ranley road.....	Hyde Park.....	16,730 44	5,518 00
Totals.....	.....	\$90,251 06	\$29,867 07

SEWER ASSESSMENTS

STREET	DISTRICT	COST	ASSESSMENT
Ashland street.....	Dorchester.....	\$2,287 50	\$925 00
Blueview Circle.....	West Roxbury..	13,947 20	5,220 05
Blueview road.....	West Roxbury..	19,605 55	9,577 92
Cataumet street.....	West Roxbury..	4,623 60	2,287 50
Cedarcrest Circle.....	West Roxbury..	20,731 55	5,872 48
Cedarcrest road.....	West Roxbury..	10,016 90	4,803 75
Dedham street.....	Hyde Park.....	2,252 70	650 00
Edson street.....	Hyde Park.....	13,760 04	3,853 44
Edson terrace.....	Hyde Park.....	2,707 40	1,492 52
Evendale terrace.....	Dorchester.....	9,162 73	3,177 52
Fernwood road.....	West Roxbury..	4,428 65	1,484 40
Furbush road.....	West Roxbury..	5,518 15	2,691 00
Hillis road.....	Hyde Park.....	5,911 00	2,240 00
Mt. Vernon street.....	West Roxbury..	2,016 52	2,625 00
New Haven street.....	West Roxbury..	8,834 83	2,310 00
Pleasant Valley Circle.....	West Roxbury..	18,120 75	7,897 56
Ralston road.....	Hyde Park.....	7,950 52	3,750 00
Shubert street.....	West Roxbury..	5,326 35	3,225 00
Sefton street.....	Hyde Park.....	5,485 23	4,357 50
Yuletide road and Hebron street.....	Hyde Park.....	8,971 03	3,600 00
Totals.....	.....	\$171,658 20	\$72,040 64

SIDEWALK ASSESSMENTS

STREET	DISTRICT	COST	ASSESSMENT
Annabel street.....	Dorchester.....	\$1,393 30	\$1,252 35
Bigelow street.....	Brighton.....	42,897 20	18,703 00
Charlesview street.....	Brighton.....	3,275 55	1,199 00
Elder street.....	Dorchester.....	3,124 00	1,780 70
Gordon street.....	Brighton.....	3,892 40	1,387 00
Hilton street.....	Hyde Park.....	7,400 40	3,291 92
Mt. Hood road.....	Brighton.....	3,092 30	944 00
Walbridge street.....	Brighton.....	6,933 10	3,584 00
Totals.....		\$72,008 25	\$32,141 97

During the period of this report 158 petitions for public utilities were approved for the placing and maintaining of poles for the support of wires.

Also 83 petitions were approved for miscellaneous installations or uses of the public highways of the City of Boston, as follows:

STREET	PETITIONER	NATURE OF PETITION
Badger road, Hyde Park	Worcester Gas Light Company	Underground gas main
Beacon street, Boston Proper	New Boston Realty Association, Ltd.	Ornamental facing
Beacon street, etc., Brighton	Boston Gas Company	Underground gas main
Berkeley street, Boston Proper	Boston Edison Company	Conduit
Blossom street, Boston Proper	Boston Gas Company	Underground gas main
Blossom street, Boston Proper	Boston Edison Company	Conduit
Blossom street, Boston Proper	Massachusetts General Hospital	Electric heating cable
Bosworth street, Boston Proper	Paddock Trust	Sidewalk hatch
Bowdoin street, Boston Proper	Boston Edison Company	Conduit
Bowdoin street, etc., Boston Proper	Boston Gas Company	Underground gas main
Bowdoin street, etc., Boston Proper	Boston Gas Company	Regulator pit
Bower street, Roxbury	Boston Gas Company	Underground gas main
Boynton street, Boston Proper	Boston Edison Company	Conduit
Bradlee street, Hyde Park	Worcester Gas Light Company	Underground gas main
Cambria street, Boston Proper	Boston Gas Company	Underground gas main
Cambridge street, Boston Proper	Charles River Park	Manhole
Cambridge street, etc., Boston Proper	Boston Gas Company	Underground gas main
Centre street, West Roxbury	Boston Gas Company	Underground gas main
Centre street, etc., West Roxbury	Boston Gas Company	Underground gas main
Charles street, Hyde Park	Worcester Gas Light Company	Underground gas main

STREET	PETITIONER	NATURE OF PETITION
Commonwealth ave., Boston Proper	Boston University	Steam main
Como road, Hyde Park	Worcester Gas Light Company	Underground gas main
Congress street, etc., Boston Proper	Boston Edison Company	Conduit
Cooper street, etc., Boston Proper	Boston Gas Company	Underground gas main
Dent street, West Roxbury	Boston Gas Company	Underground gas main
Devonshire street, Boston Proper	Boston Edison Company	Thermocouple
Dock square, Boston Proper	Boston Gas Company	Underground gas main
East Broadway, etc., South Boston	Boston Gas Company	Underground gas main
East Sixth street, South Boston	Boston Gas Company	Underground gas main
Elm street, etc., Charlestown	Boston Gas Company	Underground gas main
Faulkner street, Dorchester	Boston Gas Company	Underground gas main
Franklin street, Boston Proper	Boston Edison Company	Thermocouple
Goethe street, West Roxbury	Boston Gas Company	Underground gas main
Greenfield road, Dorchester	Boston Gas Company	Underground gas main
Hallet street, Dorchester	Boston Gas Company	Underground gas main
Highland street, etc., Hyde Park	Worcester Gas Light Company	Underground gas main
Hodgdon terrace, West Roxbury	Boston Gas Company	Underground gas main
Hull street, Boston Proper	Boston Gas Company	Underground gas main
Humboldt avenue, etc., Roxbury	Boston Gas Company	Underground gas main
Huntington avenue, Boston Proper	Boston Edison Company	Conduit
Hyde Park avenue, etc., West Roxbury	Boston Gas Company	Underground gas main
Itasca street, Dorchester	Boston Gas Company	Underground gas main
La Grange street, West Roxbury	Boston Gas Company	Underground gas main
Loring street, Hyde Park	Worcester Gas Light Company	Underground gas main
Lourdes avenue, West Roxbury	Boston Gas Company	Underground gas main
Marlin road, West Roxbury	Boston Gas Company	Underground gas main
Massachusetts avenue, Dorchester	Boston Gas Company	Undergroundgas main
Metropolitan avenue, West Roxbury	Boston Gas Company	Underground gas main
Mt. Calvary road, West Roxbury	Boston Gas Company	Underground gas main
Mt. Vernon street, etc., Charlestown	Boston Gas Company	Underground gas main
Nashua street, Boston Proper	Boston Edison Company	Thermocouple
Newbury street, Boston Proper	Boston Edison Company	Conduit
New Congress street, Boston Proper	Boston Edison Company	Conduit
New Congress street, Boston Proper	Boston Edison Company	Fuel line
Newmarket square, Roxbury	Boston Gas Company	Underground gas main
Northern avenue, etc., South Boston	Boston Gas Company	Underground gas main
North Margin street, etc., Boston Proper	Boston Gas Company	Underground gas main
Pierce street, Hyde Park	Worcester Gas Light Company	Underground gas main
Pond street, etc., Dorchester	Boston Gas Company	Underground gas main
Portland street, Boston Proper	Boston Edison Company	Thermocouple
Portland street, Boston Proper	Boston Edison Company	Conduit

STREET	PETITIONER	NATURE OF PETITION
Providence street, Boston Proper	Boston Edison Company	Conduit
Public Alley No. 442, Boston Proper	Boston Edison Company	Conduit
Quaker Lane, etc., Boston Proper	Boston Edison Company	Conduit
Readville street, Hyde Park	Worcester Gas Light Company	Underground gas main
Roxana street, Hyde Park	Worcester Gas Light Company	Underground gas main
Shawmut avenue, etc., Boston Proper	Boston Gas Company	Underground gas main
Somerset street, Boston Proper	Boston Edison Company	Conduit
South street, Boston Proper	Boston Edison Company	Thermocouple
Southampton street, Roxbury	Boston Gas Company	Underground gas main
Staniford street, Boston Proper	Boston Gas Company	Underground gas main
Stillman street, etc., Boston Proper	Boston Gas Company	Underground gas main
Stuart street, Boston Proper	Boston Edison Company	Cooling coil
Summer street, Boston Proper	Boston Edison Company	Conduit
Summer street, South Boston	Boston Edison Company	Guardrail
Temple street, Boston Proper	Boston Edison Company	Conduit
Tremont street, etc., Roxbury	Boston Gas Company	Underground gas main
Washington street, Hyde Park	Worcester Gas Light Company	Underground gas main
West Milton street, Hyde Park	Worcester Gas Light Company	Underground gas main
Westview street, etc., Dorchester	Boston Gas Company	Underground gas main
Whitford street, West Roxbury	Boston Gas Company	Underground gas main
Woodley avenue, West Roxbury	Boston Gas Company	Underground gas main
Wyvern street, West Roxbury	Boston Gas Company	Underground gas main

SUMMARY

The Public Improvement Commission continued to play an active role in connection with the public highways for the New Boston. In fact, very few major projects or new developments were without P.I.C. action or attention.

Normally this Commission is concerned mainly with routine public works such as street, sewer, and water easements; award of damages and the levying of betterment assessments therefor; issuance of permits for street light poles; signs and other encroachments; eminent domain takings for other city departments.

Today the administrative and clerical workload is increasing steadily to keep pace with the Boston Redevelopment Authority's program and private developments which have been mushrooming all over the city.

For example, the entire Castle Square area was redesigned necessitating the discontinuance of many existing public streets and the laying out of new ones. The same was true in the Washington Park area; in the so-called Academy Homes site; and Government Center complex.

Significantly, the two most important thoroughfares of the New Boston were partly laid out this year; one in the heart of Washington Park, called "Washington Park Boulevard," and the other in the heart of the Government Center complex, called, "New Congress street." Historically, both of these new public highways will be the widest in the City of Boston with the exception of Commonwealth avenue.

In order to conform with the restored, Bulfinch-designed St. Stephen's Church in the North End, the lines of Hanover and Clark streets were revised.

Likewise, in order to make way for the New Boston's skyscraper, commonly referred to as "Parcel 8," this Commission discontinued a portion of Devonshire street in downtown Boston.

In anticipation of the new street design and new M.B.T.A. station, this Commission discontinued the underground pedestrian walk in Haymarket square.

Adherence to changes in the law concerning payment of damages in connection with street improvements and eminent domain takings required the preparation of damage awards simultaneously with the order of taking and, when said orders were recorded in the Registry of Deeds, drafts for payment were processed.

In conclusion, it should be noted here that on June 30, 1965, Mr. James W. Haley retired as Commissioner of Public Works and Chairman of the Public Improvement Commission after thirty-four years of service; Mr. John F. Flaherty was appointed the new Commissioner, and on July 2 became the Chairman of the Public Improvement Commission.

Although no definite action was taken during this year, the attention of this Commission was focused on several future projects, such as South Cove, South End, West End, Christian Science Complex, Waterfront, and Southwest Expressway. Preliminary plans were reviewed and discussed.

JOHN F. FLAHERTY, *Chairman*,
JAMES J. SULLIVAN, JR.,
THOMAS F. CARTY.

MICHAEL J. CORRAO,
Executive Secretary.

APPENDIX A
CENTRAL OFFICE

TABLE 1. — Grade and Number of Employees

TABLE 2. — Permit Branch Accounts

TABLE 3. — Summary of Permits, etc.

TABLE 4. — Automotive Equipment

TABLE 5. — New Equipment Purchased

TABLE 6. — Summary of Appropriations, Expenditures, etc.

TABLE 1

The records of the department show that there are now 1,516 persons eligible for employment in the several divisions and of that number 1,362 were upon the January 2, 1966, payrolls.

GRADE AND NUMBER OF EMPLOYEES

TITLE	Central Office	Maintenance Branch, Central Office	Highway	Sanitary	Sewer	Engineering	Water	Total
Commissioner.....	1	—	—	—	—	—	—	1
Administrative assistant.....	2	—	—	—	—	—	—	2
Assistant civil engineer.....	—	—	8	—	4	15	1	28
Assistant drawtender.....	—	—	30	—	—	—	—	30
Assistant sewer pumping station operator.....	—	—	—	—	5	—	—	5
Assistant superintendent.....	—	—	1	—	—	—	1	2
Assistant supervisor.....	—	—	1	—	—	—	—	1
Associate civil engineer.....	—	—	2	—	2	2	1	7
Cashier and weigh clerk.....	—	—	—	1	—	—	—	1
Chief communications equipment operator.....	—	1	—	—	—	—	—	1
Chief inspector.....	—	—	1	—	—	—	—	1
Chief sewer pumping station operator.....	—	—	—	—	1	—	—	1
Chief water meter reader.....	—	—	—	—	—	—	1	1
Clerk.....	—	—	—	—	—	—	1	1
Clerk and stenographer.....	—	—	1	—	—	—	1	2
Clerk and typist.....	—	—	—	—	—	—	2	2
Communications equipment operator.....	—	2	—	—	—	—	—	2
Constable.....	1	—	—	—	—	—	—	1
Crane operator.....	—	—	—	11	—	—	—	11
Director of transportation.....	—	1	—	—	—	—	—	1
District foreman.....	—	—	—	—	—	—	1	1
Division engineer.....	—	—	1	1	1	1	1	5
Drawtender.....	—	—	3	—	—	—	—	3
Electrician.....	—	—	1	1	—	—	—	2
Electrician foreman.....	—	—	1	—	—	—	—	1

TABLE I
GRADE AND NUMBER OF EMPLOYEES — Continued

TITLE	Central Office	Maintenance Branch, Central Office	Highway	Sanitary	Sewer	Engineering	Water	Total
Electrician-operator.....	—	—	—	—	2	—	—	2
First assistant drawtender.....	—	—	11	—	—	—	—	11
Garage attendant.....	—	4	—	—	—	—	—	4
Garage foreman.....	—	3	—	—	—	—	—	3
General foreman.....	—	2	—	—	—	—	—	2
Head account clerk.....	—	—	—	—	—	—	1	1
Head administrative clerk.....	1	1	1	1	1	1	—	6
Head clerk.....	1	—	1	—	1	—	3	6
Head permit investigator.....	1	—	—	—	—	—	—	1
Head photostat operator.....	—	—	—	—	—	1	—	1
Heavy motor equipment operator.....	—	2	64	16	1	—	16	99
Heavy motor equipment repairman.....	—	8	—	—	—	—	—	8
Inspector.....	—	—	70	36	12	—	19	137
Investigator.....	4	—	—	—	—	—	—	4
Junior civil engineer.....	—	—	5	—	1	4	—	10
Junior engineering aid.....	—	—	9	—	—	2	1	12
Laborer.....	—	1	304	57	13	—	35	410
Executive secretary.....	1	—	—	—	—	—	—	1
Maintenance mechanic (blacksmith).....	—	4	—	—	—	—	—	4
Maintenance mechanic (bricklayer).....	—	—	—	—	—	—	—	—
Maintenance mechanic (carpenter).....	—	4	6	—	—	—	—	10
Maintenance mechanic (machinist).....	—	—	—	3	—	—	—	13
Maintenance mechanic (mason).....	—	—	—	—	4	—	1	5
Maintenance mechanic (millwright).....	—	—	—	—	3	2	—	5
Maintenance mechanic (painter).....	—	2	1	—	—	—	—	3
Maintenance mechanic (plumber).....	—	—	—	—	—	—	16	16
Maintenance mechanic (sheet metal worker).....	—	1	—	—	—	—	—	1
Maintenance mechanic (welder).....	—	4	—	—	—	—	—	4
Maintenance mechanic foreman (carpenter).....	—	1	—	—	—	—	—	1
Maintenance mechanic foreman (machinist).....	—	—	—	—	—	—	1	1
Maintenance mechanic foreman (millwright).....	—	—	—	1	—	—	—	1
Maintenance mechanic foreman (welder).....	—	1	—	—	—	—	—	1
Maintenance mechanic helper.....	—	4	—	—	—	—	13	17
Maintenance foreman.....	—	—	2	—	4	—	—	6
Maintenance men.....	—	9	—	2	—	—	—	11

TABLE 1
GRADE AND NUMBER OF EMPLOYEES — Continued

TITLE	Central Office	Maintenance Branch, Central Office	Highway	Sanitary	Sewer	Engineering	Water	Total
Motor equipment operator.....	—	1	58	7	9	—	1	76
Motor equipment repair foreman.....	—	3	—	—	—	—	—	3
Paver.....	—	—	16	—	—	—	—	16
Personnel officer.....	1	—	—	—	—	—	—	1
Photographer.....	—	—	—	—	—	1	—	1
Principal account clerk.....	4	1	1	1	—	—	3	10
Principal civil engineer.....	—	—	—	2	1	2	—	5
Principal clerk.....	—	—	—	1	1	—	8	10
Principal clerk and stenographer.....	2	—	1	1	—	—	—	4
Principal clerk and typist.....	5	1	1	—	—	1	3	11
Principal electrical engineer.....	—	—	1	—	—	—	—	1
Principal photostat operator.....	—	—	—	—	—	—	—	—
Principal storekeeper.....	—	1	—	—	—	—	1	2
Public relations representative.....	—	—	—	—	—	—	—	—
Repairmen.....	—	14	—	—	—	—	—	14
Sanitation foreman.....	—	—	—	2	—	—	—	2
Senior account clerk.....	—	—	—	—	—	—	2	2
Senior accounting machine operator.....	—	—	—	—	—	—	1	1
Senior administrative assistant.....	1	—	—	—	—	—	—	1
Senior cashier.....	1	—	—	—	—	—	—	1
Senior civil engineer.....	—	—	2	—	2	2	—	6
Senior clerk.....	—	—	—	—	—	—	2	2
Senior clerk and stenographer.....	1	—	2	—	—	—	3	6
Senior clerk and typist.....	4	1	1	1	1	2	2	12
Senior engineering aid.....	—	—	2	—	2	7	—	11
Senior personnel officer.....	1	—	—	—	—	—	—	1
Senior storekeeper.....	—	1	—	—	1	—	2	4
Sewer cleaner.....	—	—	—	—	7	—	—	7
Sewer gateman.....	—	—	—	—	8	—	—	8
Sewer pumping station operator.....	—	—	—	—	5	—	—	5
Sewer service repairman.....	—	—	—	—	3	—	—	3

TABLE 1
GRADE AND NUMBER OF EMPLOYEES — Concluded

TITLE	Central Office	Maintenance Branch, Central Office	Highway	Sanitary	Sewer	Engineering	Water	Total
Sign painter and letterer.....	—	1	—	—	—	—	—	1
Special heavy motor equipment operator.....	—	1	5	4	3	—	2	15
Special water meter reader.....	—	—	—	—	—	—	3	3
Steam fireman.....	—	—	—	—	—	—	—	—
Steam fireman (incinerator).....	—	—	—	5	—	—	—	5
Stoker.....	—	—	—	18	—	—	—	18
Storekeeper.....	—	—	1	—	—	—	—	1
Superintendent.....	—	1	2	2	1	—	—	7
Supervisor.....	1	2	14	5	1	—	6	29
Telephone operator.....	—	1	—	—	—	—	—	1
Water meter reader.....	—	—	—	—	—	—	20	20
Water meter repairman.....	—	—	—	—	—	—	10	10
Water service maintenance man.....	—	—	—	—	—	—	14	14
Water service repairman.....	—	—	—	—	—	—	33	33
Working foreman.....	—	1	2	11	7	—	20	41
Yard clerk.....	—	—	—	3	—	—	5	8
Yardman.....	—	—	—	—	—	—	—	—
Yardmaster.....	—	—	—	—	—	—	—	—

TABLE 2

NUMBER OF EMPLOYEES ACTUALLY EMPLOYED JANUARY 1, 1965 AND JANUARY 1, 1966

	Central Office	Highway	Sanitary	Sewer	Engineering	Water	Total
January 1, 1965	125	647	183	106	38	265	1,364
January 1, 1966	118	636	193	105	42	268	1,362

Total Eligible Force

January 1, 1965	120	680	190	120	60	280	1,450
January 1, 1966	138	701	201	120	61	295	1,516

APPOINTMENTS, TRANSFERS, RESIGNATIONS, RETIREMENTS, DEATHS, ETC., OF
EMPLOYEES

Appointed	Reinstated	Transferred from other Departments	Transferred from other Services	January 1, 1966	Services 1965-1966	January 1, 1965	Resigned	Discharged	Transferred to other Divisions	Transferred to other Departments	Retired	Died	
3	—	—	—	2	118	Central Office.....	125	2	—	1	2	6	1
76	1	—	—	3	636	Highway.....	647	18	11	16	3	35	8
13	2	—	—	13	193	Sanitary.....	183	7	1	2	6	1	1
9	—	—	—	—	105	Sewer.....	106	—	2	2	1	1	4
7	—	—	—	3	42	Engineering.....	38	3	—	—	1	1	2
24	—	—	—	2	268	Water.....	265	6	1	2	3	8	3
132	3	—	23	1,362	Totals.....	1,364	36	15	23	15	52	19	

PERMIT BRANCH
1965

CASH RECEIPTS

TABLE 2

Permits — Signs	\$78,908 95
Permits — Openings and Occupation	90,636 00
Licenses — Storage and Sale of Merchandise	39,284 50
Sewer Inspection Fees	14,125 00
Dump Tickets	5,947 00
Contract Books	974 00
Engineering and Inspection Fees	72,934 00
Special Permits	3,966 75
 Total	 \$306,776 20

COMMITTED ACCOUNTS

Rental — City Property	\$20,491 00
Water use through City Hydrants — Water Division	11,957 25
Sewer Division (MDC — Sewer Disposal)	35,659 80
Engineering Reproductions	207 00
Damage to property — Water Division	5,790 14
Damate to property — Highway Division	991 05
 Total	 \$75,096 24

MISCELLANEOUS

Inspectors Salaries (Release Sewers)	\$1,273 99
Sewer Easement (Hartford Street)	15,000 00
Highway — Non-Revenue — B.R.A. payment Whitney Street	110,189 66
P.I.C. — Minimum Payment	22,395 00
Special Meter Tests	246 00
 Total	 \$149,104 65

DEPOSIT ACCOUNTS

Water Deposit	\$138,923 03
Street Opening Account (Drain, Water, etc.)	150,913 98
Street Opening Account Special (Public Service Corps.)	551,796 42
 Total	 \$841,633 43
Grand Total	\$1,372,610 52

PERMIT BRANCH — 1965

PERMITS AND LICENSES ISSUED

TABLE 3

Signs	6,977
Permits — Openings and Occupation	10,306
Licenses	227
Sewer Inspection Fees	565
Dump Tickets	5,947
	<hr/>
	24,022

DEPOSIT RECEIPTS ISSUED

Water Deposits	708
Street Opening Deposits	683
(Drain, Water, etc.)	1,391

TABLE 4
AUTOMOTIVE EQUIPMENT

The Maintenance Branch is responsible for the repairs and maintenance of the automotive equipment of the Public Works Department, which consisted of the following on December 31, 1965:

Walter Snow Fighters	.	.	.	.	.	.	9
F. W. D. Snow Fighters	.	.	.	.	.	.	2
Trojan Bucket Loaders	.	.	.	.	.	.	12
Hough Bucket Loaders	.	.	.	.	.	.	12
Michigan Bucket Loaders	.	.	.	.	.	.	5
Wayne Sweepers	.	.	.	.	.	.	18
Elgin Sweepers	.	.	.	.	.	.	14
Tennant Sweepers	.	.	.	.	.	.	2
Ford Falcons	.	.	.	.	.	.	86
Ford Galaxie Sedan	.	.	.	.	.	.	1
Oshkosh Sanders	.	.	.	.	.	.	3
Catch Basin Cleaners — C-850	.	.	.	.	.	.	4
Six-ton Galion Rollers	.	.	.	.	.	.	2
Bombardier Sno-mobiles	.	.	.	.	.	.	4
Ford Load Packers — C-950	.	.	.	.	.	.	9
Chevrolet Carry-all	.	.	.	.	.	.	1
Chevrolet Pick-up	.	.	.	.	.	.	11
Caterpillar Tractors	.	.	.	.	.	.	3
International 5-ton Dump Trucks	.	.	.	.	.	.	11
International 2-ton Lumber Trucks	.	.	.	.	.	.	1
International 5-ton Trucks w. crane	.	.	.	.	.	.	1
International Wrecker	.	.	.	.	.	.	1
Ford Wrecker — C-1100	.	.	.	.	.	.	1
Cushman Truckster	.	.	.	.	.	.	1
International Bull-Grader	.	.	.	.	.	.	1
Bay City Crane	.	.	.	.	.	.	1
Autocar Tank Truck	.	.	.	.	.	.	1
F-100's	.	.	.	.	.	.	2
F-250's	.	.	.	.	.	.	8
F-250's	.	.	.	.	.	.	34
P-500's	.	.	.	.	.	.	4
C-600's	.	.	.	.	.	.	2
F-600's	.	.	.	.	.	.	13
F-750's	.	.	.	.	.	.	7
F-800's	.	.	.	.	.	.	1
C-850's	.	.	.	.	.	.	3
F-850's	.	.	.	.	.	.	69
C-1100's	.	.	.	.	.	.	19
E-160's	.	.	.	.	.	.	6
Ingersoll Rand Compressors	.	.	.	.	.	.	3
Worthington Compressors	.	.	.	.	.	.	8
Thermal Snow Melter	.	.	.	.	.	.	1

TABLE 5

NEW EQUIPMENT PURCHASED FROM 1965 APPROPRIATIONS

One (1) F-350 with gate turner	\$6,492 00
One (1) 1½-ton Van Truck	2,464 00
Two (2) F-850 Chassis	10,258 00
Two (2) F-600 Chassis	5,446 00
Two (2) six yard bodies	3,050 00
Two (2) three yard bodies	2,660 00
One (1) C-950 Chassis and Load Packer	16,302 00
One (1) thirty yard dump body	9,987 00
One (1) F-750 Chassis	3,072 00
One (1) F-850 with platform	4,771 00
One (1) F-250 with power gate	4,532 00
Three (3) F-250 Pick-ups	4,920 00
One (1) F-250 Pick-up	2,095 00
One (1) P-350 six man cab	2,500 00
One (1) C-1100 Tractor	10,022 00
One (1) twenty yard body	4,500 00
One (1) Power Steering Plant	506 00
Eight (8) Station Wagons	15,442 00
One (1) Galaxie Sedan	2,172 00
Miscellaneous	2,285 20
	\$113,476 20
Four (4) Street Sweepers	\$43,002 40
Three (3) Sweeper motors	816 75
One (1) Front End Loader	15,158 00
Two (2) Front End Loaders	21,089 00
Four (4) Compressors	12,750 60
One (1) Tilt-top Trailer	3,400 00
One (1) Sewer Cleaner	10,731 00
Miscellaneous	2,759 16
	\$109,706 91
	\$113,476 20
	109,706 91
	\$223,183 11

NEW EQUIPMENT PURCHASED FROM SNOW APPROPRIATIONS

Two (2) Mobile Office Trailers	\$1,500 00
Twelve (12) One Way Plows	10,454 00
Three (3) Floodlights (for snow dumps)	880 00
Six (6) Electric Space Heaters	670 00
Two (2) Bombardier Sidewalk Tractors	9,114 00
Two (2) Wisconsin Side Motors	657 00
Two (2) Wisconsin Side Motors	676 00
Two (2) Kohler Side Motors	921 00
One (1) Tail Gate Salt Spreader	1,658 00
Two (2) Sno-blowers	569 00
Two (2) Tractor Bombardiers	9,496 00
Two (2) Sand Spreaders	5,056 00
One (1) Front End Snow Loader	12,672 00
Two (2) Tail Gate Sand Spreaders	2,980 00
	<hr/>
	\$57,393 00

The below-mentioned are expenditures for new equipment in the last five (5 years):

1964	\$331,743 67
1963	\$335,859 32
1962	\$285,125 15
1961	\$1,063,685 89
1960	\$218,406 60

SUMMARY OF APPROPRIATIONS, RECEIPTS, EXPENDITURES, AND BALANCES DECEMBER 31, 1965

	Carried Forward From 1964	Appropriation 1965	Transfers In	Transfers Out	Revenue Received 1965	Total Available Amount	Expenditures 1965	Unexpended Balance	Unpaid Members		Carried Forward to 1966
									Unpaid Dues	Unpaid Branches	
General Budget.....	\$629,815	\$10,792,686	—	—	\$9,285,064	\$11,422,501	\$10,297,071	\$1,125,430	\$584,828	\$584,828	
Water Division.....	245,838	—	—	—	\$579,240	9,530,902	9,206,904	323,998	46,621	323,998	
Water Division Receipts.	579,240	—	—	—	—	—	—	—	—	—	
12,041	—	\$12,314	—	—	3,253,938	3,278,293	3,721,932	443,639	—	—	
Sewer Division.....	12,041	—	469,120	—	—	469,120	828,852	359,732	—	359,732	—
Snow Removal Budget....	—	—	—	—	—	—	—	—	—	—	
Washington Park Redevelopment.....	276,229	—	—	—	—	276,229	187,621	88,608	56,108	32,500	56,108
Garage, Albany St.....	171,601	—	—	—	—	171,601	—	171,601	3,240	168,361	171,601
Public Ways Loan.....	2,829,015	2,000,000	—	—	443,893	5,272,908	2,860,088	2,412,820	2,192,131	220,689	2,412,820
Sidewalk Loan.....	758,750	—	—	—	—	758,750	33,135	725,615	79,109	646,506	725,615
Sewerage.....	1,699,562	—	—	—	16,052	1,715,614	698,171	1,017,443	418,679	598,764	1,017,443
Bridge Loan.....	1,929,520	—	—	—	—	1,929,520	203,669	1,725,851	60,438	1,665,413	1,725,851
Highway Chapter 782.....	216,796	—	—	—	—	216,796	179,470	37,326	34,140	3,186	37,326
Highway Chapter 822.....	774,081	—	—	—	—	774,080	542,795	231,286	197,633	33,653	231,286
Highway Chapter 679.....	—	2,280,208	—	—	—	2,280,208	—	2,280,208	—	2,280,208	2,280,208
Department Revenue.....	—	—	—	—	335,376	335,376	—	—	—	—	—
Totals.....	\$10,122,488	\$15,542,014	\$12,314	\$579,240	\$13,334,323	\$38,431,899	\$28,759,708	\$9,336,815	\$3,903,683	\$5,433,132	\$9,567,084

APPENDIX B
ENGINEERING DIVISION

TABLE 1. — Surveys for Highways

TABLE 2. — Surveys for Highway Reconstruction

TABLE 3. — Surveys for Contracts

TABLE I

REPORT OF THE SURVEY SECTION FOR 1965

Twenty-three (23) survey and plans were made for laying-out of 2.6 miles of public highway as follows:

<i>District</i>	<i>Length in Feet</i>
BRIGHTON	
Gerrish street	800
DORCHESTER	
Allstate road	182
Charles Street Footway	500
Dr. Mary Moore Beatty Circle	600
Irena road	273
Violet street	876
HYDE PARK	
Chesterfield street	900
Crane street	300
Hillis road	400
Ralston road	500
Red Pine road	400
Vallaro road	600
SOUTH BOSTON	
Lark street	100
WEST ROXBURY	
Barlow street	450
Belle avenue	1,063
Fawndale road	560
Macullar road	450
Maplewood street	2,200
Maria Lane	600
Newsome park	200
Pleasant Valley Circle	700
Stella road	1,400
Warren square	410
Fourteen (14) profiles were taken for sewer construction of 1.78 miles:	
BOSTON PROPER	
Shawmut avenue	700
Tremont street	496
BRIGHTON	
Colon street	361
Langley road	301

<i>District</i>	<i>Length in Feet</i>
HYDE PARK	
Church street	309
Silvia court	296
Dedham street	891
Thompson street	798
Reservation road	410
SOUTH BOSTON	
Old Harbor street	476
ROXBURY	
St. Alphonsus street	71
WEST ROXBURY	
Belle avenue	1,560
Slocum road	378
Spring Street Brook	2,400
Thirteen (13) profiles were made for highway construction:	
BOSTON PROPER	
Herald street	900
Traveler street	900
Mullins Way	520
Albany street	1,120
Harrison avenue	1,120
Scmerset street	300
Cambridge street	271
New Sudbury street	451
BRIGHTON	
Gerrish street	250
HYDE PARK	
Cromwell street	300
Ralston road	100
SOUTH BOSTON	
Richards street	600
WEST ROXBURY	
Veterans of Foreign Wars Parkway	434

Fourteen (14) minimum pavements reports were made for a distance of .8 miles:

<i>District</i>	<i>Length in Feet</i>
BOSTON PROPER	
Cambridge street	300
William Cardinal O'Connell Way	400
BRIGHTON	
Hardwick terrace	300
DORCHESTER	
French street	311
Parish street	300
EAST BOSTON	
Palermo street	321
Leverett street	300
Swan street	400
HYDE PARK	
Cromwell street	307
Raynes road	276
Thompson street	400
WEST ROXBURY	
Northdale road	187
Stearns road	235
Schubert street	200
Eleven (11) surveys and plans were made for the taking of (1.44) miles of easements for sewerage and assessment purposes as follows:	
BRIGHTON	
Lake Shore road	1,390
EAST BOSTON	
Lawn street	433
Palermo street	686
Swan avenue	550
HYDE PARK	
Fairmount avenue	200
Dedham street	1,000
Sefton street	200
Thompson street	1,900

<i>District</i>	<i>Length in Feet</i>
WEST ROXBURY	
Maplewood street	134
Pleasant Valley Circle	500
V.F.W. Parkway	600

Six (6) surveys and plans were made for discontinuances of 0.3 mile of public highways as follows:

BOSTON PROPER

Fayette street	100
Central street	300

ROXBURY

Fellows street	500
Randall street	300

SOUTH BOSTON

Gustin street	180
Lark street	210

Two hundred and forty-six (246) plans and surveys for reconstruction of highways were made as follows (41.65 miles):

BOSTON PROPER

Herald street	900
Traveler street	900
Albany street	1,120
Alley No. 903	520
North Bennet street	540
Parmenter street	389
Pembroke street	750
Commonwealth avenue	300
Gaffney street	500
Harris street	363
Fleet street	606
Prince street	134
Salutation street	349
Charter street	1,310
Cleveland place	190
Cooper street	700
Fulton street	529
Garden Court street	230
Hanover avenue	300
Moon street	270
Prince street	130
Tileston street	460
Unity street	330
Bartlett Street place	200

<i>District</i>	<i>Length in Feet</i>
BOSTON, continued	
Branch street	501
Dartmouth street	580
Endicott street	1,180
Fleet street	606
Margaret street	256
Michelangelo street	120
North Margin street	935
Stillman street	378
Wiget street	250
Wiggin street	110
Mt. Vernon street	120
Pembroke street	731
West Cedar street	768
Snow Hill street	800
Richmond street	350
Hanover street	2,500
Harrison avenue	1,120
CHARLESTOWN	
Bunker Hill street	190
Chestnut street	920
Elm street	150
Mt. Vernon avenue	1,580
Pearl street	1,470
Sullivan street	1,100
BRIGHTON	
Academy Hill road	1,326
Bennett street	820
Bostonia avenue	936
Braemore road	476
Brayton road	2,400
Breck avenue	1,057
Cufflin street	473
Franklin street	250
Harvard avenue	1,050
High Rock Way	580
Hopedale road	1,084
Kilsyth road	684
Kinross road	613
Lanark road	1,393
Madeline street	689
Murdock street	540
Orchard road	136
Orkney road	836
Parsons street	1,252
Ransom road	605

<i>District</i>	<i>Length in Feet</i>
Saunders street	790
Scottfield road	325
Surrey street	1,046
Allston street	1,000
Arlington street	410
Dustin street	1,580
Eastburn street	650
Elko street	500
Englewood avenue	1,600
Everett avenue	2,100
Leamington road	850
Leicester street	1,100
Melton street	450
Nonantum street	2,000
Riverview road	1,200
Shepard street	1,000
Snow street	650
Commonwealth avenue	300

DORCHESTER

Percival street	680
Fox street	780
Arcadia street	800
Balsam street	620
Jacob street	775
Callender street	1,500
Mayfield street	390
Blanche street	317
Chickatawbut street	1,565
Edson street	1,179
Elm street	718
Greenhill street	435
Houghton street	1,396
Itasca street	2,495
Johnson road	805
Minot street	3,230
Parkman street	388
Plain street	700
Rexford street	1,056
Semont road	796
Spencer street	1,293
Sturbridge street	806
Temple street	668
Westview street	502
Harley street	500
Walton street	548
Norwood street	776

<i>District</i>	<i>Length in Feet</i>
DORCHESTER, continued	
Armandine street	1,388
Doone avenue	504
Fuller street	2,767
Lorna road	313
Oweneroft road	672
Rockwell street	1,278
Shenandoah street	380
Wilmington avenue	999
Fottler road	300
Freeport street	950
Mora street	1,250
Owen street	281
Park street	650
Stockton street	1,285
Washington street	950
Claridge terrace	200
Tilesboro street	500
Hill Top street	1,875
Bailey street	1,967
Westville street	200
Tonawanda street	2,800
Robinson street	900
Glenway street	2,468
Rosseter street	1,982
Clayton street	1,145
Bakersfield street	981
Dickens street	890
Dacia street	685
Half Moon street	457
Humphreys place	353
Magnolia street	2,554
Ramsey street	422
Willis street	1,934
Tuttle street	1,163
Chamberlain street	477
Burgess street	550
Columbia road	5,800
Fayston street	1,300
Fowler street	893
Fox street	270
Geneva avenue	3,050
Gleason street	932
Homes avenue	890
Josephine street	620
Leyland street	750
Wayfield street	406

<i>District</i>	<i>Length in Feet</i>
HYDE PARK	
Chittick road	1,760
Lodgehill road	571
River street	2,050
Alpheus road	1,155
Belnel road	669
Charles street	310
Collins street	311
Davison street	2,022
Friendship road	441
Hopewell road	570
Mt. Pleasant street	419
Nepconset avenue	597
Park street	531
Pleasantview street	935
Town street	312
Wolcott street	433
Franklin terrace	158
Metropolitan avenue	500
Readville street	4,077
ROXBURY	
Arklow street	169
Ashley street	300
Calumet street	431
Chesterton street	513
Creighton street	802
Deerfield street	519
Eustis street	780
Fenwood street	1,429
Round Hill street	440
Wait street	715
Ward street	1,268
Wigglesworth street	494
Wenonah street	730
Worthington street	682
Columbus avenue	1,354
Harleston street	250
Harrison avenue	1,000
Parker Hill avenue	1,084
Clearway street	750
SOUTH BOSTON	
Alger street	450
National street	440
C street	2,700
E. Second street	1,545

<i>District</i>	<i>Length in Feet</i>
SOUTH BOSTON, continued	
E. Third street	2,064
Middle street	831
Sleeper street	1,093
E. Fourth street	2,000
Rev. Burke street	800
Farragut road	300
EAST BOSTON	
Ardee street	218
Coleridge street	588
Gove street	800
Havre street	640
London street	388
McKay place	121
Paris street	1,011
Wordsworth street	327
Walley street	280
Ashley street	1,300
Border street	2,650
Leyden street	3,200
WEST ROXBURY	
Colberg avenue	1,542
Edgemere road	957
Hawthorne street	607
Houston street	276
Maple street	1,975
Russett road	474
Stimson street	1,617
Tennyson street	365
Brahms street	615
Woodbrier road	592
Hagar street	235
Revere street	560
Woodlawn street	1,060
Liszt street	600
Rickerhill road	315
Vermont street	1,390
Grovenor road	475
Whitcomb avenue	2,150
Malcolm road	1,328
Walk Hill street	150

Ten (10) surveys and plans were made for specific repairs and widenings (Chapter 90) as follows: (6.4 miles)

<i>District</i>	<i>Length in Feet</i>
BRIGHTON	
Commonwealth avenue	1,000
Faneuil street	5,000
DORCHESTER	
Harvard street	8,000
Pleasant street	4,800
HYDE PARK	
Sprague street	4,000
West Milton street	2,500
Wood avenue	2,000
ROXBURY	
Tremont street	1,500
WEST ROXBURY	
Beech street	3,500
Forest Hills street	1,500
Requests for making line and grade for the following streets:	
BOSTON PROPER	
Belvidere street	400
Dalton street	550
Scotia street	200
Millicent Way	1,100
New Chardon street	1,000
DORCHESTER	
Pleasant street	600
River street at Central avenue	740
Grampian Way	600
Rosseter street	2,265
Geneva avenue	500
Olney street	600
Humphreys place	200
Hallet Street Dump	3,000
EAST BOSTON	
Swift street	200
Swift terrace	200

<i>District</i>	<i>Length in Feet</i>
HYDE PARK	
Rainier road	400
Tracton avenue	200
West street	500
ROXBURY	
Humboldt avenue	200
Townsend street	300
Bower street	350
St. Alphonsus street	100
Crawford street (new school)	2,040
Washington street	5,700
SOUTH BOSTON	
Congress street	900
Linley terrace	200
WEST ROXBURY	
Centre street at Altacrest road	160
Fawndale road	500
Mt. Hope street	890
Holley road	325
Gardner Street Dump	5,000
La Grange street	400
Florian Way	200
Kingsland road	500
Glencliff road	600
New Park avenue	200
Kittredge street	200
Surrey Hill Lane	300
Altarest road	200
Slocum road	400
Wilma court	200
Bryant road	300
Florian street	300
Meyer street	400
Meyer court	200

Thirty-three (33) engineering reports were made in the following districts:

BOSTON PROPER

Arlington street

BRIGHTON

Brighton avenue

Commonwealth avenue (at Sutherland road)

<i>District</i>	<i>Length in Feet</i>
Everett Street Bridge	
Lincoln street	
Parsons street	
Soldiers Field road	

CHARLESTOWN

Walford Way

DORCHESTER

Auckland street
 Columbia road
 Dorchester avenue

EAST BOSTON

Gove Street Bridge
 Ruth street
 Waldemar avenue
 Whitby street

HYDE PARK

Franklin terrace
 Lodgehill road
 Metropolitan avenue
 River street (Gordon street to Reservation road)

ROXBURY

Chesterton street

SOUTH BOSTON

Alger street
 Boston Street Bridge
 East Sixth street
 Farragut road
 Mt. Vernon street

WEST ROXBURY

Buchanan street
 Centre street
 Edgemere road
 Kiernan road
 Maple street
 Walk Hill street
 Woodbrier street

Points for construction requested (3.36 miles)

<i>District</i>	<i>Length in Feet</i>
BOSTON PROPER	
New Sudbury street	970
BRIGHTON	
Langley road	700
DORCHESTER	
Violet street	600
Banfield street	500
Adams street	200
HYDE PARK	
Dana avenue	500
Willow avenue	400
West street	550
Arlington street	485
Norway park	700
West Milton street	2,500
Edgeway terrace	700
ROXBURY	
Townsend street	360
Hazelwood street	365
Humboldt court	250
Elbert street	350
Bower street	480
Charlame street	762
WEST ROXBURY	
Lorraine street	400
Glencliff road	600
Maplewood road	700
Searle road	250
St. Theresa avenue	400
Boylston street	4,000
Eminent domain takings (surveys and plans)	
BOSTON PROPER	
Lansdowne street Off Street Parking	
Newbury street Off Street Parking	
BRIGHTON	
Academy Hill road (Library Department)	

<i>District</i>	<i>Length in Feet</i>
DORCHESTER	
Park street Library Department	
Charles street School Department	
Freeport street School Department	
HYDE PARK	
Fairview Cemetery Real Property	
Inspection of streets for reconstruction in all districts (36 miles)	
Cross sections for construction purposes	
BOSTON PROPER	
Dalton street	550
New Sudbury street	970
Scotia street	200
Approval plans examined and approved (35)	
Widenings and relocations	
BOSTON PROPER	
Hanover street at Clark street	
Cross sections for sewerage and water purposes	
BRIGHTON	
Easton street	300
WEST ROXBURY	
Saw Mill Brook	2,100
Gardner Street Dump (Water)	1,000
MISCELLANEOUS	
CHARLESTOWN	
Pearl street Location of wall for Building Department	
DORCHESTER	
Washington street (Miller's Lane) accident survey for Law Department	
WEST ROXBURY	
Stony Brook encroachments Survey and Plan	
Gardner Street Dump Land Court Sub-division Plan	
Personnel of the survey section were assigned to snow removal operations including supervision, inspection and auditing of hired equipment accounts.	

TABLE 3

HIGHWAY CONTRACTS

CONTRACT	District	Length (Feet)	* Estimated Cost **Bid Price	Date of Bid Opening
Reconstruction of:				
Binney street		10	483	1/14/65
Bowditch road		2	522	1/14/65
Bragdon street		10	1,138	1/14/65
Chilcott place		2	478	1/14/65
Clifford street		10	1,171	1/14/65
Dresden street		2	393	1/14/65
Edgewood street		10	1,104	1/14/65
Ernst street		10	326	1/14/65
Gardner street		10	314	1/14/65
Goldsmith street		2	198	2,466 00
Halifax street		2	971	18,225 00
Halleck street		10	473	8,675 00
Hillside street		10	3,067	58,615 00
Irwin avenue		10	314	3,630 00
Miles street		10	277	5,090 00
Mt. Hope street		2	979	20,020 00
Myrtle street		2	1,083	28,205 00
Neponset avenue		2	976	30,098 00
Pond View avenue		2	693	10,930 00
Rockview street		2	1,621	35,428 00
				16,581
				Total *\$339,298 00
				**\$313,698 10

Belvidere street	10	720	*\$38,270 00	4/1/65
Forsyth street	10	406	**40,647 00	4/1/65
Opera place	10	256		
Washington Park, Construction of:				
Bower street	10	10		
Elbert street	10	10		
Hazelwood court	10	10		
Hazelwood street	10	10		
Humboldt avenue	10	10		
Humboldt street	10	10		
Warren street	10	10		
Academy Homes, Construction of (Chapter 393):				
Academy court	10	157		
Academy road	10	622		
Academy terrace	10	157		
Columbus avenue	10	260		
Slayton way	10	445		
Weaver court	10	108		
Weaver way	10	430		
			**\$150,000 00	
			**\$139,707 00	
				4/22/65
				4/22/65

CONTRACT	District	Length (Feet)	*Estimated Cost **Bid Price	Date of Bid Opening
Bakersfield street	3	981	\$17,019 00	7/29/65
Brunswick street	3	367	7,803 00	7/29/65
Clayton street	3	1,145	25,412 00	7/29/65
Dacia street	3	729	24,504 00	7/29/65
Dickens street	3	888	18,240 00	7/29/65
Glenway street	3	2,543	50,522 00	7/29/65
Half Moon street	3	457	16,852 00	7/29/65
Humphreys place	3	353	8,203 00	7/29/65
Magnolia street	3	2,554	73,819 00	7/29/65
Raseym street	3	432	9,126 00	7/29/65
Rosseter street	3	2,010	56,955 00	7/29/65
Tuttle street	3	1,163	17,282 00	7/29/65
Willis street	3	711	13,103 00	7/29/65
			**\$339,285 00	
			**\$271,688 50	

Constituents or Companies.	Amount.	Date.
Banfield avenue	450	7/29/65
Copenger street	10	200
Glencliff street	6	720
Lawton terrace	8	703
Langley road	4	220
Maplewood street	6	760
Norris road	8	373
Pleasant street	8	253
Rockwood terrace	2	490
St. Theresa avenue	6	350
Searle road	6	177
Violet street	7	883
Willow avenue	8	280
		<hr/>
		**\$254,458 58
		**\$241,665 30

The Construction of (Chap. 393):

CONTRACT	District	Length (Feet)	*Estimated Cost **Bid Price	Date of Bid Opening
Reconstruction of:				
Branch street	1	501	\$6,311 00	9/16/65
Charter street	1	1,309	29,874 00	9/16/65
Cleveland place	1	258	2,730 00	9/16/65
Cooper street	1	688	13,816 00	9/16/65
Endicott street	1	1,342	28,174 00	9/16/65
Fleet street	1	609	11,533 00	9/16/65
Garden Court street	1	233	4,479 00	9/16/65
Hanover avenue	1	307	4,822 00	9/16/65
Harris street	1	300	3,913 00	9/16/65
Margaret street	1	258	4,863 00	9/16/65
Moon street	1	273	4,473 00	9/16/65
Myrtle street	1	1,482	23,680 00	9/16/65
North Bennet street	1	559	8,975 00	9/16/65
North Margin street	1	935	17,617 00	9/16/65
Parmenter street	1	279	5,141 00	9/16/65
Pembroke street	1	731	15,085 00	9/16/65
Prince street	1	134	2,904 00	9/16/65
Salutation street	1	353	5,146 00	9/16/65
Stillman street	1	378	7,904 00	9/16/65
Tilesdon street	1	575	8,752 00	9/16/65
Unity street	1	330	5,675 00	9/16/65
West Cedar street	1	768	13,400 00	9/16/65
				<hr/>
			**\$230,000 00	
			**\$221,604 00	

PUBLIC WORKS DEPARTMENT

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Academy line road	829	19,085 00
Bennett street	4	936
Bostonia avenue	4	15,634 00
Bracmore road	4	10,702 00
Brayton road	4	25,231 00
Breck avenue	4	19,965 00
Cufflin street	4	7,761 00
Franklin street	4	2,945 00
Hopendale street	4	18,785 00
Kinross road	4	3,987 00
*Madeline street	4	17,340 00
Murdock street	4	8,159 00
Orehdard road	4	2,444 00
Orkney road	4	19,638 00
Ransom road	4	8,620 00
Saunders street	4	17,240 00
Scotfield road	4	7,663 00
Surrey street	4	30,593 00
		10/7/65
		**\$224,329 00
		10/7/65

*Madeline St.—deleted after contract was awarded.

Highway, sewer and water works in		
Dabney street	10	650
Fenn street	10	138
St. Richard street	10	350
		10/21/65
Highway, sewer works in		
Hansford street	10	145
Kensington street	10	425
		10/21/65
Highway and water works in		
Warren street	10	1,200
		10/21/65
Reconstruction of:		
Bennington street	9	—
Cambria street	1	250
Dalton street	1	432
Dorchester avenue	1	—
Roslynale square	6	—
Scotia street	1	180
		11/4/65
		2,635 00
		17,023 00
		94,920 00
		6,650 00
		11,440 00
		11/4/65
		**\$134,000 00
		**\$137,882 00

CONTRACT	District	Length (Feet)	*Estimated Cost	**Bid Price	Date of Bid Opening
Boxford terrace	6	235	10,087 00	10,087 00	11/29/65
Camelot court	4	671	25,049 00	25,049 00	11/29/65
Earnshaw street	6	172	7,116 00	7,116 00	11/29/65
Gerrish road	4	820	30,458 00	30,458 00	11/29/65
Granite street	5	253	6,862 00	6,862 00	11/29/65
Mt. Washington avenue	5	372	18,999 00	18,999 00	11/29/65
Newsome park	2	272	8,638 00	8,638 00	11/29/65
Pleasant Valley Circle	6	638	24,219 00	24,219 00	11/29/65
			<u>**\$130,268 00</u>	<u>**\$130,268 00</u>	
			<u>**\$123,536 25</u>	<u>**\$123,536 25</u>	
The Reconstruction of:					
Brahms street	615		\$7,853 00	\$7,853 00	12/23/65
Colberg avenue	1,524		34,501 00	34,501 00	12/23/65
Edgemere road	1,577		43,785 00	43,785 00	12/23/65
Hawthorne street	572		15,159 00	15,159 00	12/23/65
Houston street	662		10,385 00	10,385 00	12/23/65
Maple street	2,001		55,275 00	55,275 00	12/23/65
Russett road	2,394		41,440 00	41,440 00	12/23/65
Stimson street	1,631		57,843 00	57,843 00	12/23/65
Tennyson street	396		6,165 00	6,165 00	12/23/65
Woodbrier road	599		9,815 00	9,815 00	12/23/65
			<u>**\$282,219 00</u>	<u>**\$282,219 00</u>	
			<u>**\$243,997 50</u>	<u>**\$243,997 50</u>	

SEWER AND WATER WORKS—TABLE 3

Sewer and Water Works in:

CONTRACT	District	Length (Feet)	*Estimated Cost	**Bid Price	Date of Bid Opening
Sewer and Water Works in:					
Castle court	1	1	1	1	Sewer—1,215 feet of sewer, 1,788 feet of surface drain, 9 sewer MH's, 7 SD MH's, and 7 CB's.
Emerald court	1	1	1	1	Water—1,935 feet of water pipe, 100 feet of hydrant pipe, 7 hydrants and 13 gates.
Herald street	1	1	1	1	
Millicent Way	1	1	1	1	
Paul place	1	1	1	1	
Village street	1	1	1	1	
Sewerage and Water Works in:					
Cedarcrest road	6	6	6	6	Sewer—2,300 feet of sewer, 2,924 feet of surface drain, 12 sewer MH's, 14 surface drain MH's, and 14 CB's.
Cedarcrest terrace	6	6	6	6	Water—2,300 feet of water pipe, 65 feet of hydrant pipe, 7 hydrants and 14 gates.
Ridgecrest Drive	6	6	6	6	
Mann street	6	6	6	6	
Cedarcrest lane	6	6	6	6	
Langley road	4	4	4	4	
Truman Highway	8	8	8	8	
West Boundary road	8	8	8	8	
Sewerage and Water Works in:					
Catawba street	10	10	10	10	Sewer—5,583 feet of sewer, 5,868 feet of surface drain, 29 sewer MH's, 31 surface drain MH's and 8 CB's.
Harold street	10	10	10	10	Water—3,300 feet of water pipe, 75 feet of hydrant pipe, 20 gates and 7 hydrants.
Sherman street	10	10	10	10	
Walnut avenue	10	10	10	10	
Washington Park Boulevard	10	10	10	10	
Circuit street	10	10	10	10	
Dale street	10	10	10	10	
Warren street	10	10	10	10	

CONTRACT	District	Length (Feet)	*Estimated Cost * *Bid Price	Date of Bid Opening
Sewer and Water Works in:				
Swan avenue	9	Sewer—890 feet of sewer, 1,443 feet of surface drain, 4 sewer MH's.		
Collins street	8	7 drain MH's, and 9 CB's.		
Hazelmere road	6	Water—775 feet of water pipe, 10 feet of hydrant pipe, 1 hydrant, 1 gate and 9 CB's.		
Lawn avenue	9			
Palermo street	9			
Boxford terrace	6			
		\$34,773 00	11 / 4/65	
Sewerage and Water Works in:				
Belle avenue	6	Sewer—765 feet of sewer pipe, 1,893 feet of surface drain, 6 sewer MH's, 9 drain MH's, and 8 CB's.		
Camelot court	4			
Earnshaw street	6			
Stimson street	6			
		\$48,379 00	11/12/65	
Sewerage and Water Works in:				
Fairlawn avenue	8	Sewer—394 feet of surface drain, 3 drain MH's and 6 CB's.		
Bismarck street	8	Water—1,300 feet of water pipe, 40 feet of hydrant pipe, 2 hydrants and 4 gates.		
Church street	8			
Thorn street	8			
		\$18,128 00	12 / 9/65	

WATER WORKS

Water Works in: Belvidere street	1	1,060 feet of water pipe, 20 feet of hydrants pipe, 2 hydrants and 5 gates. \$18,252 50	3/11/65
Water Works in: Warren street	10	1,200 feet of water pipe, 40 feet of hydrant pipe, 4 hydrants and 5 gates. \$12,663 00	4/22/65
Water Works and Cleaning and Lining in: Warren street	10	280 feet of new water pipe and 45 gates. Cleaned and relined 9,590 feet of pipe. \$86,200 50	7 / 1/65
Walnut avenue	10		
Rockland avenue	10		
Mills street	10		
Haley street	10		
Wyoming street	10		
Wabon street	10		
Wabeno street	10		
Water Works and Cleaning and Lining in: West Roxbury	2	120 feet of new water pipe, 2 pressure regulator valves and 7 gates. Cleaned and relined 30,710 feet of pipe. \$135,559 50	7 / 1/65
Hydrants (all districts)		250 feet of new hydrant pipe and 50 hydrants, 50 gates. \$18,810 00	11 / 4/65
Gardner Street Dump	6	1,000 feet of water pipe, 10 feet of hydrant pipe, 2 gates and 1 hydrant. \$7,600 00	12/23/65

APPENDIX C
HIGHWAY DIVISION

Table 1 — Cost Summaries of Contracts
Table 2 — Chapter "90" and "393" Streets Constructed
Table 3 — Streets Reconstructed
Table 4 — Patching Contracts
Table 5 — Bridge Maintenance Work
Table 6 — Details of Expenditures on Tidewater Bridges
Table 7 — Waterborne Traffic
Table 8 — Expenditures on Inland Bridges
Table 9 — Work Done by Contract
Table 10 — Work Done by City Forces
Table 11 — Patching Quantities
Table 12 — Street Lighting Details

TABLE 1

SUMMARY OF COST OF CONTRACT STREET CONSTRUCTION AND RECONSTRUCTION
WORK PERFORMED IN HIGHWAY DIVISION DURING 1965

Chapter 90 Projects Paving Work	\$743,204 00
“393” Streets Constructed	\$164,932 75
Streets Reconstructed	1,665,374 92
Awarded in 1965—To Be Completed in 1966	919,057 60
Advertised—To Be Completed in 1966	188,504 50
	<hr/>
	3,237,869 77
Total	\$3,981,073 77

TABLE 2

CHAPTER 90 PROJECTS COMPLETED IN 1965

STREET	Limits	Contract Amount
Adams street	Gallivan Boulevard to M.B.T.A. Bridge	\$34,823 25
Columbus avenue	Sarsfield street to Massachusetts avenue	\$1,536 50
L street East Broadway }	East Fourth street to Columbia road M street to Farragut road	111,810 60
West Milton street	Boston-Dedham City Line to junction of Milton and Sprague streets	67,797 25
Condor street	Brooks street to intersection of Condor and Eagle streets	76,994 20
Dana avenue	Washington street to Truman Highway	60,715 50
Boylston street	Washington street to Centre street	67,454 10
Pond street Pleasant street Hancock street East Cottage street Savin Hill avenue }	East Cottage street to Columbia road Hancock street to East Cottage street Bowdoin street to Dorchester avenue Edward Everett square to Pleasant street From 200 feet west of Dorchester avenue to Pleasant street	242,072 60
Total		\$743,204 00

“393” STREETS CONSTRUCTED IN 1965

David road	Moss Hill road to approximately 590 feet westerly and southerly
Evandale terrace	Savin Hill avenue to dead end
Holly road	Jewett street to dead end
Manchester street	Temple street to 230 feet East of Cedar street
Manion road	Safford street to Westminster street
Manley street	Newkirk street to Victory road
Newkirk street	Neponset avenue to dead end
Trilling Way	Northern avenue to approximately 320 feet southwesterly

\$121,408 45

STREET	Limits	Contract Amount
Charlame place	Charlame street to dead end	
Charlame street	Laurel street to Catawba street	
Laurel street	Laurel street to Humboldt avenue	
North Charlame court	Charlame street to dead end	
North Charlame terrace	Charlame street to dead end	
South Charlame court	Charlame street to dead end	
South Charlame terrace	Charlame street to dead end	\$101,659 00
Banfield avenue	Woodale avenue to 415 feet southeasterly	
Copenger street	Parker Hill avenue to dead end	
Glencliff road	Dale street to 580 feet southeast of Poplar street	
Langley road	Washington street to 560 feet east of Breck avenue	
Lawton terrace	Lawton street to dead end	
Maplewood street	St. Theresa avenue to approximately 72 feet southeast of Searle road	
Norris road	Metropolitan avenue to approximately 370 feet southwesterly	
Pleasant street	Vose avenue to Metropolitan avenue	
Rockwood terrace	Rockwood street to dead end	
St. Theresa avenue	Maplewood street to Crokers Lane	
Searle road	Maplewood street to approximately 180 feet northeasterly	
Violet street	Delhi street to Crossman street	
Willow avenue	Providence street to Hyde Park avenue	\$241,865 30

TABLE 3
STREETS RECONSTRUCTED IN 1965

Birch street	Corinth street to Durnell avenue	
Bonair street	Veterans of Foreign Wars Parkway to Addington road	
Carroll street	Vermont street to Glenham street	
Cowing street	Washington street to Partridge street	
Garnet road	Weld street to Farmington road	
Glenham street	Veterans of Foreign Wars Parkway to La Grange street	
Haydn street	Washington street to Nikisch avenue	
Hayes road	Washington street to Birch street	
Leniston street	Beech street to Walworth street	
Lorraine street	Colberg avenue to Iona street	
Midvale road	Corey street to Maple street	
Montvale street	Colberg avenue to dead end	
Nikisch avenue	Beech street to West Roxbury Parkway	
Symmes street	Walter street to Fairview street	
Tarleton road	Temple street to Chesborough road	
Welland road	Temple street to Sanborn avenue	
Willowdean avenue	Weld street to Parklawn road	\$271,558 65
Binney street	Francis street to Longwood avenue	
Bowditch road	Moss Hill road to dead end	
Bragdon street	Amory street to Washington street	
Chilcott place	Washington street to dead end	
Clifford street	Blue Hill avenue to Warren street	
Dresden street	Boylston street to Spring Park avenue	
Edgewood street	Warren street to Blue Hill avenue	
Ernst street	Bragdon street to West Walnut park	
Gardner street	Centre street to Roxbury street	
Goldsmith street	St. Joseph street to Custer street	

STREET	Limits	Contract Amount
Halifax street	South Huntington avenue to Pond View avenue	
Halleck street	Station street to Prentiss street	
Hillside street	Parker Hill avenue to Parker street	
Irwin avenue	Blue Hill avenue to dead end	
Miles street	Bragdon street to West Walnut park	
Mt. Hope street	American Legion Highway to Mt. Hope Cemetery	
Myrtle street	Centre street to Pond street	
Neponset avenue	Canterbury street across Halliday street	
Pond View avenue	Perkins street to beyond Pershing road	
Rockview street	Green street to Spring Park avenue	\$313,698 10
Belvidere street	Dalton street to Huntington avenue	
Forsyth street	Huntington avenue to Hemenway street	
Opera place	Huntington avenue to St. Stephen street	\$10,637 00
Breed street	Bennington street to Ford street	
Brooks street	Chelsea street to Condor street	
Cottage street	Sumner street to Webster street	
Curtis street	Chaucer street to Bennington street	
Decatur street	London street to Border street	
Ford street	Saratoga street to Breed street	
Frankfort street	Neptune road to 300 feet southwesterly	
Lillian street	St. Andrew road to Bayswater street	
Marion street	Saratoga street to Bennington street	
Maverick street	Meridian street to across Border street	
Paris street	Meridian street to Sumner street	
Porter street	William Kelly square to London street	
Saratoga street	Meridian street to Prescott street	
Seaver street	Sumner street to Webster street	
Shawsheen road	Bayswater street to Saratoga street	
Teragram street	Bayswater street to Saratoga street	
West Eagle street	Brooks street to Meridian street	
White street	Trenton street to Putnam street	\$289,328 70
Bower street	Warren street to Humboldt avenue	
Bower street	Humboldt avenue northwesterly approximately 120 feet	
Elbert street	Humboldt avenue to Hazelwood street	
Hazelwood court	Hazelwood street westerly approximately 215 feet	
Hazelwood street	Hazelwood street to Townsend street	
Humboldt avenue	Walnut avenue to Townsend street	
Humboldt court	Humboldt avenue to dead end	
Warren street	Hazelwood street to Dale street	\$338,756 97
Academy court	Academy road to dead end	
Academy road	Columbus avenue to dead end	
Academy terrace	Academy road to dead end	
Columbus avenue	Academy road to approximately 440 feet northerly	
Ritchie street	Columbus avenue to Slayton way	
Slayton way	Ritchie street to dead end	
Weaver court	Weaver way to dead end	
Weaver way	Academy road to dead end	\$139,707 00
Bakersfield street	Stoughton street to Willis street	
Brunswick street	Columbia road to 375 feet westerly	
Clayton street	Dickens street to Greenwich street	
Dacia street	Quincy street to Woodcliff street	
Dickens street	Adams street to Clayton street	

STREET	Limits	Contract Amount
Glenway street	Harvard street to Blue Hill avenue	
Half Moon street	Magnolia street to Lingard street	
Humphreys place	Humphreys street to end	
Magnolia street	Quincy street to Dudley street	
Ramsey street	Dudley street to Hamlet street	
Rosseter street	Bowdoin avenue to Eldon street	
Tuttle street	Savin Hill avenue to Hartland street	
Willis street	Sumner street to Pleasant street	\$271,688 50
AWARDED IN 1965—TO BE COMPLETED IN 1966		
Branch street	Charles street to Spruce street	
Charter street	Hanover street to Commercial street	
Cleveland place	Margaret street to Snow Hill street	
Cooper street	Washington Street North to Salem street	
Endicott street	Cross street to Keany square	
Fleet street	Hanover street to Commercial street	
Garden Court street	Prince street to Fleet street	
Hanover avenue	North street to Hanover street	
Harris street	North street to Hanover street	
Margaret street	Sheafe street to Prince street	
Moon street	North square to Fleet street	
Myrtle street	Hancock street to Revere street	
North Bennet street	Salem street to Hanover street	
North Margin street	Stillman street to La Fayette avenue to Endicott street	
Parmenter street	Hanover street to Salem street	
Pembroke street	Warren avenue to Tremont street	
Prince street	Hanover street to North square	
Salutation street	Hanover street to Commercial street	
Stillman street	Endicott street to Salem street	
Tileston street	Salem street to Hanover street	
Unity street	Tileston street to Charter street	
West Cedar street	Cambridge street to Pinckney street	\$221,604 00
Academy Hill road	Washington street to 75 feet beyond Rushmore street	
Bennett street	Parsons street to South Hobart street	
Bostonia avenue	Breck avenue to Regal street	
Braemore road	Commonwealth avenue to Chiswick road	
Brayton road	Breck avenue to Newton Line	
Breck avenue	Washington street to Brayton road	
Cufflin street	Nonantum street to Tremont street	
Franklin street	Lincoln street to Alcott street	
Hopedale street	North Harvard street to beyond Windom street	
Kinross road	Commonwealth avenue to Sutherland road	
Madeline street	Faneuil street to Harriet street	
Murdock street	Cambridge street to 450 feet northeasterly	
Orchard road	Corey road to Brookline Line	
Orkney road	Sutherland road to Strathmore road	
Ransom road	Colborne road to Claymoss road	
Saunders street	Cambridge street to North Beacon street	
Scottfield road	Commonwealth avenue to Kelton street	
Surrey street	Market street to Foster street	\$224,329 40
Dabney street	Fountain street to Regent street	
Fenno street	Walnut avenue 196 feet easterly	
Hansford street	Warren street 155 feet westerly	
Kensington park	Rockland street 230 feet northerly and 200 feet southerly	
St. Richard street	Walnut avenue 350 feet easterly	
Warren street widening	Dale street to Walnut avenue	\$211,705 50

STREET	Limits	Contract Amount
Bennington street	At Neptune road	
Cambria street	Bridge to 250 feet westerly	
Dalton street	Belvidere street to bridge	
Dorchester avenue	160 feet north of Lincoln street to Talbot avenue	
Roslindale square		
Scotia street	Dalton street to 180 feet westerly	\$137,882 45
Boxford terrace	Park street to 200 feet southwesterly	
Camelot court	Gordon street to Warren street	
Earnshaw street	Miami avenue to 186 feet southwesterly	
Gerrish street	Brooks street to S20 feet northwesterly	
Granite street	A street to Granite street	
Mt. Washington avenue	Granite street to A street	
Newsome park	Eliot street to dead end	
Pleasant Valley Circle	West Roxbury Parkway to 450 feet westerly	\$123,536 25
ADVERTISED — TO BE COMPLETED IN 1966		
Alger street	Dorchester avenue to end	
C street	West First street to 370 feet north of Fargo street	
East Second street	N street to Farragut road	
East Sixth street	H street to K street	
East Third street	L street to M street	
East Third street	N street to Farragut road	
Middle street	Dorchester avenue to Dorchester street	
Sleeper street	Congress street to Northern avenue	
		\$188,504 50

TABLE 4
PATCHING CONTRACTS AWARDED IN 1965

1. Repairs to roadway, sidewalk, or driveways in streets under guarantee	S. J. Tomasello Corp.	\$9,502 00
2. Repairs to roadway, sidewalk, or driveways in streets under guarantee	Baker & Co., Inc.	4,000 00
3. Repairs to roadway, sidewalk, or driveways in streets under guarantee	Walter Reed Corp.	5,002 00
4. Repairs to roadway, sidewalk, or driveways in streets under guarantee	Mario Susi & Son	2,500 00
5. Repairs to roadway, sidewalk, or driveways under guarantee	P. V. Barone Corp.	12,195 00
6. Repairs to roadway, sidewalk, or driveways under guarantee	J. J. Botti Co., Inc.	2,005 00
7. Repairs to sidewalks in all areas in the City of Boston	J. J. Botti Co., Inc.	82,125 00
8. Repairs to roadways in all areas in the City of Boston	Hot Top Pavement	139,650 00
9. Repairs to sidewalks in all areas in the City of Boston	Cedarcrest Paving Co., Inc.	124,575 00
PATCHING CONTRACTS AWARDED IN 1964 AND COMPLETED IN 1965		
Repairs to defective sidewalks in all sections of the City	Salah & Pecci Const. Co.	\$101,096 00

TABLE 5

BRIDGE MAINTENANCE WORK PERFORMED
IN 1965

CONTRACT

Walworth Street Bridge, Roslindale—Rebuilt the decking and sidewalks

Summer Street Bridge (Over Fort Point Channel)—Demolition of the Drawtenders House

West Newton Street Bridge—Renewed Sidewalk on North Side

Chelsea Street Bridge—Repaired and painted the counter-weight of Bridge

Northern Avenue Bridge—Machinery Repairs to the turning engines

Summer Street Bridge over Reserved Channel—Steel repairs to deck and chain link fence.

CITY FORCES

Gove Street Footbridge, East Boston—Rebuilt walkway and stairs

Central Avenue Bridge over Neponset River (between Boston and Milton)—Decking and sidewalk repairs

Northern Avenue Bridge over Fort Point Channel—Decking and sidewalk repairs

Fairmount Avenue Bridge, Hyde Park—Decking and sidewalk repairs

Gardner Street Dump, West Roxbury—Poured reinforced concrete slab

Cutting, filling and assembling forms for concrete wall in East Boston

Copley Square, built, placed and repaired barricades for traffic pattern

Southampton Street, Rebuilt North Roadway and repaired sidewalk

Incinerator—Shore up brick building (valve house) to make safe after accident

Summer Street Bridge over Fort Point Channel—Repairs to roadway decking and sidewalks of drawspans

Cummins Highway Bridge, near Mattapan Square—Repairs to roadway decking and sidewalks of bridge

Dock Square—Build and maintain a pedestrian barricade

West Fourth Street Bridge—Built and erected barricades after fire

TABLE 6

DETAILS OF EXPENDITURES ON TIDEWATER BRIDGES FOR THE YEAR 1965

BRIDGES	Drawtenders Salaries	Mechanics Wages	Materials	Repair Bills	Supplies, Utilities, etc.	Totals
Chelsea Street.....	\$65,266 32	\$2,365 15	\$384 00	—	\$598 73	\$68,614 20
Congress Street.....	12,489 91	1,320 30	375 00	—	721 57	14,906 78
Malden.....	4,787 82	20 70	165 00	\$293 28	94 40	5,361 20
Andrew P. McArdle....	94,197 28	2,099 60	473 81	822 32	1,534 37	99,127 38
Northern Avenue.....	88,383 12	17,391 20	2,734 05	269 00	2,059 63	110,837 00
Summer Street (Fort Point).....	22,233 16	9,853 80	3,118 61	2,393 00	24 26	37,622 83
Summer St. (Reserved Channel) L Street....	39,669 92	4,514 00	908 15	—	864 14	45,956 21
Totals.....	\$327,027 53	\$37,564 75	\$8,158 62	\$3,777 60	\$5,897 10	\$382,425 60

TABLE 7
WATERBORNE TRAFFIC THROUGH THE DRAWBRIDGE FOR THE YEAR 1965

BRIDGE	Steamers	Tugs	Barges	Pleasure Craft	All Others	Total Vessels	Total Cargoes	Total Openings
Chelsea Street.....	492	6,532	1,462	—	1,026	9,512	1,408	4,739
Congress Street.....	—	5	2	28	6	41	—	35
Andrew P. McArdle.....	677	7,802	1,652	277	1,688	11,846	1,466	5,307
Malden.....	—	25	23	—	—	48	12	26
Northern Avenue.....	—	524	184	22	404	1,134	177	697
Summer Street (Fort Point Channel).....	—	5	2	—	6	13	—	17
Summer Street-L Street (Reserved Channel).....	—	—	—	844	4	848	6	843
Yearly Totals.....	1,169	14,893	3,325	921	3,134	23,442	3,069	11,364

TABLE 8

EXPENDITURES ON INLAND BRIDGES DURING
THE YEAR 1965

LABOR	MATERIALS	TOTAL
\$37,886 95	\$10,622 78	\$48,509 73

The above figures represent total cost of maintenance repairs on inland bridges, namely footbridges over railroads, etc., using our department yard employees, materials and supplies.

TABLE 9
WORK DONE BY CONTRACT IN 1965

ITEM	QUANTITY
Earth and service excavation	112,988 cubic yards
Rock excavation	1,964 cubic yards
Bank gravel	128,110 tons
Crushed stone for edgestone	6,237 tons
Existing base removed	9,648 square yards
Existing pavement removed	43,406 square yards
New straight edgestone	56,250 lineal feet
New circular edgestone	16,288 lineal feet
New 6-foot corners	1,858 each
New 2-foot corners	789 each
Edgestone reset and relocated	75,010 lineal feet
Edgestone hauled	320 lineal feet
Macadam base	32,104 tons
OA asphalt	289,485 gallons
Concrete base for roadway	2,821 cubic yards
Concrete base backing up sidewalk	210 cubic yards
Bituminous concrete berm	1,230 lineal feet
Concrete masonry	350 cubic yards
Bituminous base, roadway	32,806 tons
Bituminous top, roadway	26,579 tons
Bituminous base, sidewalk	153 tons
Bituminous top, sidewalk	1,106 tons
Artificial stone sidewalk	1,285,196 square feet
Artificial stone driveway	139,573 square feet
Loam (square yards)	1,791 square yards
Covers	2,635 each
Catch basins and manholes remodeled	262 each
Catch basins and drop inlets rebuilt	116 each
Sign posts	569 each
Parking meters reset	19 each
Stone bounds	143 each
Minor drain	5,875 lineal feet
Loam (cubic yards)	1,356 cubic yards

ITEM	QUANTITY
Roadway area	352,044 square yards
Catch basins and drop inlets built	221 each
New guttermouths	81 each
E frames and grates	18 each
Brick sidewalks relaid	600 square yards
New brick sidewalks	114 square yards
Ground water drain	640 lineal feet
Brick veneer	1,900 square feet
Blue stone wall capping	400 square feet
Steel reinforcement	1,650 lbs
Fire alarm posts	9 each
Light base	132 each
Streetlight manholes	1 each
3-inch conduit	3,879 lineal feet
2-inch conduit	10,474 lineal feet
Sod	876 square feet
Handholes	179 each

TABLE 10
WORK DONE BY CITY FORCES IN 1965
PERMANENT REPAIRS

Bituminous concrete roadway	4,550 square yards
Bituminous concrete sidewalks	3,840 square yards
Bituminous concrete driveways	240 square yards
Granite block roadway	250 square yards
Macadam roadway	1,800 square yards
Stone wall	2,166 cubic feet
Brick sidewalks	2,140 square yards
Artificial stone sidewalks	52,140 square feet
Edgestone reset (straight)	1,300 lineal feet
Edgestone reset (circular)	135 lineal feet
2-foot granite corners reset	12
2-foot granite corners set	14
Precast concrete curbing reset	130 lineal feet
Chain link fence repairs	100 lineal feet
Loam spaces replaced	30 square yards
Water boxes reset	29
Catch basins remodeled (wall work)	6
Guttermouths reset	5

TEMPORARY REPAIRS
Bituminous concrete roadway and side-walk repairs
Precast concrete curbing repaired
Debris removed from streets (sweepers, hand crews, etc.)
Salt spread
Snow removal (melter, front end loaders, hand crews)
Calcium chloride used
Catch basins cleaned

TABLE 11
PATCHING QUANTITIES FOR 1965

Artificial stone sidewalks	323,719 square feet
Concrete base	150 cubic yards
Ground water drain	662 lineal feet
Bituminous concrete patch (base and top)	365,450 square feet
Catch basin	1
Pavement adjacent (top only)	26,087 square feet
Boxes reset	250

TABLE 12
MERCURY VAPOR LIGHTING PROJECTS

In 1965 orders were issued for the installation of 3,500 lumen lamps and the replacement of old lighting units on the following streets:

Abby road, Brighton	2
Alabama street, Dorchester	2
Aleott street, Brighton	4
Alleghany street, Roxbury	7
Allenwood street, West Roxbury	3
Angell street, West Roxbury	6
Appian Way, Brighton	3
Arboretum road, West Roxbury	3
Archdale road, West Roxbury	4
Ardale street, West Roxbury	5
Argyle terrace, Dorchester	2
Ashcroft street, West Roxbury	4
Ashmont court, Dorchester	1
Atkinson street, West Roxbury	7
Avila road, Hyde Park	3
Avon street, West Roxbury	6
Ayr road, Brighton	2
Badger road, Hyde Park	8
Bailey street, Dorchester	16
Baker place, West Roxbury	1
Bakersfield street, Dorchester	8
Balina place, Dorchester	1
Ballou avenue, Dorchester	15
Bancroft street, Roxbury	2
Banks street, West Roxbury	1
Bantry Way, South Boston	2
Bateswell road, Dorchester	2
Beacon street, Hyde Park	16
Beaufield street, Dorchester	2

Beaver street, Hyde Park	13
Berry street, Dorchester	1
Beryl street, West Roxbury	8
Bickford avenue, Roxbury	3
Billings street, West Roxbury	10
Birchcroft road, Hyde Park	7
Bolster street, Roxbury	4
Bourneside street, Dorchester	3
Boynton street, West Roxbury	8
Bradbury street, Brighton	3
Bradlee court, Hyde Park	1
Bradlee Lane, Hyde Park	2
Bradlee park, Hyde Park	2
Bradston street, Roxbury	3
Bremen terrace, West Roxbury	3
Brewer street, West Roxbury	4
Bromley street, Roxbury	2
Brookfield street, West Roxbury	2
Brooksdale street, West Roxbury	4
Burr street, West Roxbury	4
Burt street, Dorchester	8
Buttonwood street, Dorchester	9
Caltha road, Brighton	2
Capen place, Dorchester	1
Carlson Circle, West Roxbury	6
Carol avenue, Brighton	3
Centola street, Brighton	2
Centre court, Dorchester	2
Charles street, Dorchester	12
Charles street, Hyde Park	8
Charlesview street, Brighton	2
Chiswick terrace, Brighton	1
Chittick road, Hyde Park	11
Christopher street, Dorchester	7
Church street, Dorchester	5
Churchill road, West Roxbury	3
Clapp street, Dorchester	6
Claxton street, West Roxbury	2
Claymoss road, Brighton	8
Clement avenue, West Roxbury	16
Cleveland street, Hyde Park	6
Colchester street, Hyde Park	13
Coolidge road, Brighton	7
Colonial avenue, Dorchester	5
Colorado street, Dorchester	5
Colwell avenue, Brighton	3
Crafton Way, Roxbury	1
Cranmore road, Hyde Park	8
Crestwood road, East Boston	2
Crockers Lane, West Roxbury	3
Cypress Street terrace, West Roxbury	2

Dalin place, Roxbury	1
Daniel court, Hyde Park	2
Dell avenue, Hyde Park	7
Dell terrace, Hyde Park	2
Delore Circle, West Roxbury	1
Denny street, Dorchester	5
Dent street, West Roxbury	24
Denvir street, Dorchester	2
Denby road, Brighton	3
Downer avenue, Dorchester	7
Downey court, Dorchester	1
Draper street, Dorchester	2
Druid street, Dorchester	5
Drumlin road, East Boston	2
Dudley terrace, Dorchester	2
Dunboy street, Brighton	8
Dunklee street, Brighton	3
Eastbourne street, West Roxbury	5
Easton avenue, Hyde Park	6
Easton street, Brighton	8
Eastwood Circuit, West Roxbury	14
Eastwood place, West Roxbury	2
Edith street, Hyde Park	2
Edna road, Dorchester	2
Edson street, Hyde Park	2
Electric avenue, Brighton	8
Elene street, Dorchester	2
Elm street, West Roxbury	11
Elmira street, Brighton	7
Ely road, Dorchester	3
Embassy road, Brighton	3
Empire street, Brighton	7
Ennis road, West Roxbury	3
Eric road, Brighton	2
Ericsson street, Dorchester	3
Esther road, West Roxbury	4
Etna street, Brighton	7
Etson terrace, Hyde Park	1
Etson terrace, Hyde Park	1
Eugenia road, West Roxbury	2
Euston road, Brighton	7
Fabyan street, Dorchester	5
Farquhar street, West Roxbury	10
Farrar avenue, Hyde Park	9
Fendale avenue, Dorchester	4
Fowle street, West Roxbury	1
Fox street, Dorchester	5
Frederick street, South Boston	2
Frederika street, Dorchester	4
Freeport Way, Dorchester	3
Furnival road, West Roxbury	2

Garden Court street, Boston	.	.	.	.	.	.	3
Gardena street, Brighton	.	.	.	.	.	.	9
Gardner street, Roxbury	.	.	.	.	.	.	2
Garth road, West Roxbury	.	.	.	.	.	.	4
George street, Hyde Park	.	.	.	.	.	.	7
Gilman street, West Roxbury	.	.	.	.	.	.	3
Glendower road, West Roxbury	.	.	.	.	.	.	16
Glenwood avenue, Hyde Park	.	.	.	.	.	.	9
Glide street, Dorchester	.	.	.	.	.	.	6
Gordon street, West Roxbury	.	.	.	.	.	.	2
Grassmere road, Hyde Park	.	.	.	.	.	.	4
Greenwich street, Dorchester	.	.	.	.	.	.	8
Greycliff road, Brighton	.	.	.	.	.	.	3
Guild street, Roxbury	.	.	.	.	.	.	7
Hackensack terrace, West Roxbury	.	.	.	.	.	.	2
Halborn street	.	.	.	.	.	.	7
Hale street, Hyde Park	.	.	.	.	.	.	3
Half Moon street, Dorchester	.	.	.	.	.	.	4
Halifax street, West Roxbury	.	.	.	.	.	.	1
Halleck street, Roxbury	.	.	.	.	.	.	8
Hampstead Lane, West Roxbury	.	.	.	.	.	.	6
Hampstead road, West Roxbury	.	.	.	.	.	.	6
Halsey road, Hyde Park	.	.	.	.	.	.	6
Harding road, West Roxbury	.	.	.	.	.	.	2
Hardwick street, Brighton	.	.	.	.	.	.	5
Hardy street, South Boston	.	.	.	.	.	.	2
Harriet street, Brighton	.	.	.	.	.	.	10
Harris avenue, West Roxbury	.	.	.	.	.	.	5
Harrow street, Dorchester	.	.	.	.	.	.	3
Hartford court, Dorchester	.	.	.	.	.	.	1
Hartford street, Dorchester	.	.	.	.	.	.	14
Harvest terrace, Dorchester	.	.	.	.	.	.	1
Harwood street, Dorchester	.	.	.	.	.	.	4
Havey street, West Roxbury	.	.	.	.	.	.	2
Hatherly road, Brighton	.	.	.	.	.	.	3
Hawthorne street, Roxbury	.	.	.	.	.	.	7
Hawthorne street, West Roxbury	.	.	.	.	.	.	4
Heathcote street, West Roxbury	.	.	.	.	.	.	3
Helena road, Dorchester	.	.	.	.	.	.	4
Hemlock road, West Roxbury	.	.	.	.	.	.	7
Highland street, Hyde Park	.	.	.	.	.	.	16
Hilburn street, West Roxbury	.	.	.	.	.	.	9
Hillis road, Hyde Park	.	.	.	.	.	.	6
Holden street, Dorchester	.	.	.	.	.	.	2
Holly road, West Roxbury	.	.	.	.	.	.	2
Hollywood road, West Roxbury	.	.	.	.	.	.	8
Hopkins road, West Roxbury	.	.	.	.	.	.	6
Howard place, Dorchester	.	.	.	.	.	.	1
Humes road, Dorchester	.	.	.	.	.	.	2
Irena road, Dorchester	.	.	.	.	.	.	1
Jamaica street, West Roxbury	.	.	.	.	.	.	16

John Alden road, West Roxbury	.	.	.	.	.	3
Johnson street, West Roxbury	.	.	.	.	.	10
Jones avenue, Dorchester	.	.	.	.	.	5
Juniper street, Roxbury	.	.	.	.	.	7
Kardon road, Hyde Park	.	.	.	.	.	3
Kearsarge avenue, Roxbury	.	.	.	.	.	3
Lamartine place, West Roxbury	.	.	.	.	.	2
Lambert avenue, Roxbury	.	.	.	.	.	10
Lane park, Brighton	.	.	.	.	.	9
Langford park, West Roxbury	.	.	.	.	.	1
Latin road, West Roxbury	.	.	.	.	.	2
Lawton terrace, Hyde Park	.	.	.	.	.	2
Lawley street, Dorchester	.	.	.	.	.	8
Legion place, West Roxbury	.	.	.	.	.	2
Leedsville street, Dorchester	.	.	.	.	.	5
Leston street, Dorchester	.	.	.	.	.	4
Leslie street, Dorchester	.	.	.	.	.	2
Linden avenue, Hyde Park	.	.	.	.	.	1
Linden street, Dorchester	.	.	.	.	.	7
Linwood street, Hyde Park	.	.	.	.	.	8
Littledale street, West Roxbury	.	.	.	.	.	2
Lochland road, Hyde Park	.	.	.	.	.	4
Lombard street, Dorchester	.	.	.	.	.	3
Lorene road, West Roxbury	.	.	.	.	.	1
Lorne street, West Roxbury	.	.	.	.	.	5
Lorenzo street, Dorchester	.	.	.	.	.	3
Lyford street, Dorchester	.	.	.	.	.	4
Magee street, Hyde Park	.	.	.	.	.	5
Magnolia street, Dorchester	.	.	.	.	.	10
Mahler road, West Roxbury	.	.	.	.	.	4
Manchester street, Dorchester	.	.	.	.	.	11
Manning street, West Roxbury	.	.	.	.	.	5
Manor street, Dorchester	.	.	.	.	.	8
Manthorne road, West Roxbury	.	.	.	.	.	17
Mansfield street, Brighton	.	.	.	.	.	6
Maple terrace, West Roxbury	.	.	.	.	.	2
Maple street, Hyde Park	.	.	.	.	.	12
Maplewood street, West Roxbury	.	.	.	.	.	12
Marcy road, Dorchester	.	.	.	.	.	2
Marie street, Dorchester	.	.	.	.	.	3
Marlin road, West Roxbury	.	.	.	.	.	1
Marlou terrace, West Roxbury	.	.	.	.	.	1
Marsh street, Dorchester	.	.	.	.	.	4
Maryknoll street, Dorchester	.	.	.	.	.	10
Maryknoll terrace, Dorchester	.	.	.	.	.	2
Mattapan street, Dorchester	.	.	.	.	.	11
Mendell way, West Roxbury	.	.	.	.	.	1
Merriam street, West Roxbury	.	.	.	.	.	4
Meshaka street, West Roxbury	.	.	.	.	.	4

Miami terrace, West Roxbury	.	.	.	.	.	1
Millmont street, Roxbury	.	.	.	.	.	5
Milton avenue, Hyde Park	.	.	.	.	.	18
Monson street, Dorchester	.	.	.	.	.	4
Moon street, Boston	.	.	.	.	.	2
Morey road, West Roxbury	.	.	.	.	.	6
Morris street, East Boston	.	.	.	.	.	7
Monterey avenue, Dorchester	.	.	.	.	.	2
Montcalm avenue, Brighton	.	.	.	.	.	5
Mt. Vernon street, Brighton	.	.	.	.	.	6
Mulvey street, Dorchester	.	.	.	.	.	2
Myrick street, Brighton	.	.	.	.	.	4
Newacre road, Hyde Park	.	.	.	.	.	4
Newburg street, West Roxbury	.	.	.	.	.	19
Newcastle street, Dorchester	.	.	.	.	.	2
New Haven street, West Roxbury	.	.	.	.	.	1
Oakmere street, West Roxbury	.	.	.	.	.	11
Orlando street, Dorchester	.	.	.	.	.	10
Oscar street, Roxbury	.	.	.	.	.	2
Otis place, West Roxbury	.	.	.	.	.	1
Parkman street, Dorchester	.	.	.	.	.	3
Parkton road, West Roxbury	.	.	.	.	.	8
Parkwood terrace, West Roxbury	.	.	.	.	.	2
Partridge street, West Roxbury	.	.	.	.	.	11
Paxton street, Dorchester	.	.	.	.	.	3
Pelton street, West Roxbury	.	.	.	.	.	5
Pershing road, West Roxbury	.	.	.	.	.	9
Peter Parley road, West Roxbury	.	.	.	.	.	11
Pitsmoor road, West Roxbury	.	.	.	.	.	1
Pleasant Hill avenue, Dorchester	.	.	.	.	.	7
Pleasant Hill terrace, Dorchester	.	.	.	.	.	1
Pleasant Valley Circle, West Roxbury	.	.	.	.	.	3
Pontiac street, Roxbury	.	.	.	.	.	10
Port Norfolk street, Dorchester	.	.	.	.	.	7
Powell street, West Roxbury	.	.	.	.	.	2
Presentation road, Brighton	.	.	.	.	.	8
Priscilla road, Brighton	.	.	.	.	.	6
Providence street, Hyde Park	.	.	.	.	.	6
Quincefield street, Dorchester	.	.	.	.	.	2
Quinn Way, West Roxbury	.	.	.	.	.	4
Rand street, Roxbury	.	.	.	.	.	2
Rangeley street, Dorchester	.	.	.	.	.	4
Reynolds road, Hyde Park	.	.	.	.	.	2
Rich street, Dorchester	.	.	.	.	.	5
Richmond street, Dorchester	.	.	.	.	.	12
Rickerhill road, West Roxbury	.	.	.	.	.	2
Rita road, Dorchester	.	.	.	.	.	6
Riverdale street, Brighton	.	.	.	.	.	5
Rivermoor street, West Roxbury	.	.	.	.	.	9
Roanoke avenue, West Roxbury	.	.	.	.	.	4
Robinwood avenue, West Roxbury	.	.	.	.	.	14

Rockwood street, West Roxbury	10
Rocky Nook terrace, West Roxbury	2
Rose Garden Circle, Brighton	2
Rowell street, Dorchester	4
Roy street, Roxbury	2
Rumford road, West Roxbury	3
Running Brook road, West Roxbury	6
Rushmore street, West Roxbury	5
Rustlewood road, West Roxbury	3
Ryder Hill road, Brighton	1
St. Brendan road, Dorchester	8
St. Rose street, West Roxbury	3
Sanderson place, Brighton	2
Savannah avenue, Dorchester	10
Savin Hill court, Dorchester	2
Schirmer road, West Roxbury	13
Schubert street, West Roxbury	2
Sedgwick street, West Roxbury	11
Shannon street, Brighton	6
Skyline road, Hyde Park	3
Slocum road, West Roxbury	9
Southview street, Dorchester	2
Starbird avenue, West Roxbury	3
Starr Lane, West Roxbury	7
Stearns road, West Roxbury	4
Stella road, West Roxbury	6
Stellman road, West Roxbury	7
Stratton street, Dorchester	14
Sturbridge street, Dorchester	6
Summer street, West Roxbury	8
Summit street, Hyde Park	1
Susanna court, Hyde Park	2
Tafthill terrace, West Roxbury	4
Tennyson street, West Roxbury	9
Termine avenue, West Roxbury	1
Thomas park, South Boston	19
Thomas street, West Roxbury	3
Thorn street, Hyde Park	3
Thurlow street, West Roxbury	4
Tileston street, Boston	5
Tobin road, West Roxbury	1
Topeka street, Roxbury	7
Treadway road, Dorchester	3
Valencia road, Hyde Park	3
Van Brunt street, Hyde Park	8
Verona street, West Roxbury	2
Verrill street, Dorchester	4
Vincent road, West Roxbury	12
Vose avenue, Hyde Park	3
Wabash street, Dorchester	4
Wachusett street, West Roxbury	12

Water street, Dorchester	4
Weitz street, Brighton	2
Wendeller street, South Boston	1
Wenlock road, Dorchester	3
Wensley street, Roxbury	10
West street, Hyde Park	34
Westmoreland street, Dorchester	3
Westmoor road, West Roxbury	2
Wharton court, Hyde Park	2
Whitby terrace, Dorchester	3
Wildwood street, Dorchester	9
Williams avenue, Hyde Park	20
Willow avenue, Hyde Park	2
Wilson street, West Roxbury	1
Wilton street, Hyde Park	3
Windom street, Brighton	2
Wolfe street, West Roxbury	4
Woodcliff street, Dorchester	8
Wooddale avenue, Dorchester	4
Woodfield street, Dorchester	2
Woodland road, West Roxbury	3
Woodley avenue, West Roxbury	12
Woodside avenue, West Roxbury	3
Woodville street, Roxbury	6
Woodworth street, Dorchester	3
Zamora court, West Roxbury	1
Zamora street, West Roxbury	5
Zeller street, West Roxbury	4
 Total	 1,874

In 1965 orders were issued for the installation of 7,000 lumen lamps and the replacement of old lighting units on the following streets:

Anawan avenue, West Roxbury	4
Auburn street, Roxbury	5
Austin street, Hyde Park	26
Bellevue street, West Roxbury	32
Bigelow street, Brighton	23
Bird street, Dorchester	5
Brooks street, East Boston	25
Brookside avenue, West Roxbury	16
Calumet street, Roxbury	15
Charter street, Boston	10
Church street, West Roxbury	31
Clayton street, Dorchester	12
Day street, Roxbury	15
Dearborn street, Roxbury	5

Dickens street, Dorchester	.	.	.	.	.	.	7
East street, Dorchester	.	.	.	.	.	.	8
Exeter street, Boston	.	.	.	.	.	.	13
Franklin street, Brighton	.	.	.	.	.	.	7
Hallet street and square, Dorchester	.	.	.	.	.	.	14
Hereford street, Boston	.	.	.	.	.	.	11
Hillside street, Roxbury	.	.	.	.	.	.	23
Hill Top street, Dorchester	.	.	.	.	.	.	13
Humphreys street, Dorchester	.	.	.	.	.	.	9
Island street, Roxbury	.	.	.	.	.	.	8
Jersey street, Boston	.	.	.	.	.	.	8
K street, South Boston	.	.	.	.	.	.	27
Kilmarnock street, Boston	.	.	.	.	.	.	11
King street, Dorchester	.	.	.	.	.	.	6
Linden street, Brighton	.	.	.	.	.	.	14
Magnolia street, Dorchester	.	.	.	.	.	.	16
Major Michael J. O'Connor Way, South Boston	.	.	.	.	.	.	5
Marine road, South Boston	.	.	.	.	.	.	17
Maverick street, East Boston	.	.	.	.	.	.	10
Metropolitan avenue, Hyde Park	.	.	.	.	.	.	39
Norfolk avenue, Roxbury and Dorchester	.	.	.	.	.	.	28
O street, South Boston	.	.	.	.	.	.	19
Paris street, East Boston	.	.	.	.	.	.	27
Parish street, Dorchester	.	.	.	.	.	.	3
Parkman street, Dorchester	.	.	.	.	.	.	13
Perrin street, Roxbury	.	.	.	.	.	.	8
Pleasantdale Road Extension, West Roxbury	.	.	.	.	.	.	2
Pond street, West Roxbury	.	.	.	.	.	.	7
Prentiss street, Roxbury	.	.	.	.	.	.	8
Prescott street, East Boston	.	.	.	.	.	.	9
Putnam street, Roxbury	.	.	.	.	.	.	3
Ramsey street, Dorchester	.	.	.	.	.	.	4
Richmond street, Dorchester	.	.	.	.	.	.	4
St. Alphonsus street, Roxbury	.	.	.	.	.	.	1
Saratoga street, East Boston	.	.	.	.	.	.	29
Shelby street, East Boston	.	.	.	.	.	.	4
Starr Lane, West Roxbury	.	.	.	.	.	.	7
Summit street, Hyde Park	.	.	.	.	.	.	18
Terrace street, Roxbury	.	.	.	.	.	.	16
Trenton street, East Boston	.	.	.	.	.	.	20
Wakefield avenue, Hyde Park	.	.	.	.	.	.	5
Washington street, Hyde Park	.	.	.	.	.	.	15
West Fifth street, South Boston	.	.	.	.	.	.	5
White street, East Boston	.	.	.	.	.	.	9
Total	.	.	.	.	.	.	754

In 1965 orders were issued for the installation of 11,000 lumen lamps and the replacement of old lighting units on the following streets:

Beacon street, Hyde Park	16
Call street, West Roxbury	13
Cornell street, West Roxbury	9
Dana avenue, Hyde Park	16
Glen road, West Roxbury	10
Harvard street, Dorchester	39
Lamartine street, Roxbury	13
St. Thomas More road, Brighton	34
Seaver street, Dorchester	6
South street, West Roxbury	32
Walley street, East Boston	29
West street, Hyde Park	7
 Total	 224

In 1965 orders were issued for the installation of 20,000 lumen lamps and the replacement of old lighting units on the following streets:

Cambridge street, Brighton	50
Dudley street, Roxbury	11
East Broadway, South Boston	24
Hancock street, Dorchester	14
Hyde Park avenue, Hyde Park	48
Massachusetts avenue, Boston	15
Perkins street, West Roxbury	13
Pleasant street, Dorchester	25
Pond street, Dorchester	3
Porter street, East Boston	6
River street, Hyde Park	15
South Huntington avenue, West Roxbury	38
Washington street, Brighton	34
 Total	 296

In 1965 orders were issued for the installation of 7,000 lumen lamps and the replacement of old lighting units on the following city-owned streets:

Academy court, Roxbury	7
Amy court, Boston	2
Arlington Street Bridge Approach, Boston	4
Beacon street at Mountfort Street Approach, Boston	2
 Total	 15

Blossom court, Boston	.	.	.	.	.	.	.	3
Bower street, Roxbury	.	.	.	.	.	.	.	10
Burbank street, Roxbury	.	.	.	.	.	.	.	8
Charlame street, Roxbury	.	.	.	.	.	.	.	22
Elbert street, Roxbury	.	.	.	.	.	.	.	3
Forsyth street, Boston	.	.	.	.	.	.	.	4
Harrison avenue at Hudson Street Bridge Approach	.	.	.	.	.	.	.	7
Hazelwood court, Roxbury	.	.	.	.	.	.	.	1
Hudson street, Boston	.	.	.	.	.	.	.	8
Humboldt court, Roxbury	.	.	.	.	.	.	.	2
Lake Shore road, Brighton	.	.	.	.	.	.	.	10
Slayton Way, Roxbury	.	.	.	.	.	.	.	6
Thoreau Path, Boston	.	.	.	.	.	.	.	24
Weaver court, Roxbury	.	.	.	.	.	.	.	9
 Total	.	.	.	.	.	.	.	117

In 1965 orders were issued for the installation of 20,000 lumen lamps and the replacement of old lighting units on the following city-owned streets:

Albany street, Boston	.	.	.	.	.	.	.	8
Arlington Street Bridge Approach, Boston	.	.	.	.	.	.	.	7
Beacon Street Bridge Approach, Boston	.	.	.	.	.	.	.	10
Beacon street at Mountfort Street Approach, Boston	.	.	.	.	.	.	.	7
Belvidere street, Boston	.	.	.	.	.	.	.	10
Bowdoin street, Boston	.	.	.	.	.	.	.	6
Bower street, Roxbury	.	.	.	.	.	.	.	28
Boylston street, Boston	.	.	.	.	.	.	.	7
Boylston Street Bridge Approach, Boston	.	.	.	.	.	.	.	9
Columbus avenue, Boston	.	.	.	.	.	.	.	36
Commonwealth avenue Bridge Approach, Boston	.	.	.	.	.	.	.	8
Commonwealth avenue at BU Bridge, Boston	.	.	.	.	.	.	.	10
Dalton street, Roxbury	.	.	.	.	.	.	.	12
Dartmouth street, Boston	.	.	.	.	.	.	.	10
Harrison avenue at Hudson Street Bridge Approach, Boston	.	.	.	.	.	.	.	4
Humboldt avenue, Roxbury	.	.	.	.	.	.	.	10
Huntington Avenue Bridge Approach, Boston	.	.	.	.	.	.	.	27
Kneeland Street Bridge Approach, Ramp "R", Boston	.	.	.	.	.	.	.	10
Martha road, Boston	.	.	.	.	.	.	.	9
St. Alphonsus street, Roxbury	.	.	.	.	.	.	.	15
Scotia street, Roxbury	.	.	.	.	.	.	.	3
Somerset street, Boston	.	.	.	.	.	.	.	4
Warren street, Roxbury	.	.	.	.	.	.	.	6
 Total	.	.	.	.	.	.	.	256

GAS LAMP PROGRAM

During the year 1965 there were 238 gas lamps maintained by the City of Boston. There were 112 gas lamps installed for the year 1965.

MAINTENANCE OF POLICE SPOTLIGHTS

The maintenance of 97 police spotlights continued for the year 1965. There were no new installations for the year 1965.

APPENDIX D
SANITARY DIVISION

Table 1.—Payments to Refuse Collection Contractors
to March 31, 1965

Table 2.—Payments to Refuse Collection Contractors
April 1—December 31, 1965

Table 3.—Payment for Rental of Dumps
 Removal of Garbage
 Removal of Incinerator Residue
 Removal of Derelict Automobiles

Table 4.—Expenditures

Table 5.—Operating Costs

Table 6.—Unit Costs

TABLE 1

PAYMENTS TO REFUSE COLLECTION CONTRACTORS, FIRST THREE MONTHS—JANUARY, FEBRUARY, MARCH

DISTRICT	Contractor	Total 3 Months Payments
1A Charlestown.....	Banco Corporation.....	\$16,128 00
1B Boston Proper.....	James A. Freaney, Inc.....	79,744 00
2 Jamaica Plain.....	Joseph Amara & Sons, Inc.....	45,939 20
3 Dorchester (N).....	Jeffries Disposal Corporation.....	77,785 60
4 Brighton.....	J. F. Ryan, Inc.....	63,091 20
5 South Boston.....	United Contracting Co., Inc., of Boston.....	28,569 60
6 West Roxbury.....	M & C Corporation.....	57,600 00
7 Dorchester (S).....	United Contracting Co., Inc., of Boston.....	80,460 80
8 Hyde Park.....	Jeffries Disposal Corporation.....	36,288 00
9 East Boston.....	Banco Corporation.....	30,822 40
10 Roxbury.....	Dooley Bros., Inc.....	61,734 40
Total 3 Months.....	.....	\$578,163 20

TABLE 2

PAYMENTS TO REFUSE COLLECTION CONTRACTORS, LAST NINE MONTHS—APRIL 1 TO DECEMBER 31, INCLUSIVE

DISTRICT	Contractor	Total 9 Months Payments*
1A Charlestown.....	Banco Corporation.....	\$50,440 86
1B Boston Proper.....	James A. Freaney, Inc.....	262,397 50
2 Jamaica Plain.....	Joseph Amara & Sons, Inc.....	148,255 97
3 Dorchester (N).....	Jeffries Disposal Corporation.....	244,385 60
4 Brighton.....	J. F. Ryan, Inc.....	202,248 91
5 South Boston.....	United Contracting Co., Inc., of Boston	92,689 90
6 West Roxbury.....	M & C Corporation.....	193,832 10
7 Dorchester (S).....	United Contracting Co., Inc., of Boston	260,574 74
8 Hyde Park.....	Jeffries Disposal Corporation.....	118,374 18
9 East Boston.....	Banco Corporation.....	96,606 44
10 Roxbury.....	Dooley Bros., Inc.....	194,291 21
Last 9 Months Total.....	.....	\$1,864,097 41
First 3 Months Total.....	.....	578,163 20
Collection Grand Total.....	.....	\$2,442,260 61

* Includes increased labor costs

TABLE 3
PAYMENTS FOR RENTAL OF DUMPS

M. DeMatteo Construction Company:		
3 MONTHS.....	\$6,000 00	
9 MONTHS.....	<u>31,500 00</u>	
		\$37,500 00
REMOVAL OF GARBAGE		
Transfer Station		
Victory Roads.....	\$3,200 00	\$9,850 00
Kristoff Brothers.....	<u>\$3,200 00</u>	<u>\$9,850 00</u>
Kennedy Brothers.....		
Total.....		\$26,100 00
PAYMENTS FOR REMOVAL OF INCINERATOR RESIDUE		
Manning Motor Transportation, Inc. ....	.....	\$118,988 62
REMOVAL OF DERELICT AUTOMOBILES		
J & L Iron Company.....	.....	\$9,087 45
Grand total.....	.....	\$2,633,336 68

TABLE 4
1965 UNIT COSTS

(1) Administrative	\$34,511 06	Less than 1 percent of total cost
(2) Collection Contracts	\$2,621,056 68	
	261,602 tons a year	\$10 02 ton
(3) Alley Cleaning	\$114,204 29	
	5,900 tons a year	\$19 36 ton
(4) Litter Baskets	\$48,695 40	
	925 baskets	
	240,500 servicings	\$0 20 servicing
(5) Market Cleaning	\$22,821 46	
	2,080 tons a year	\$10 97 ton
(6) Abandoned Vehicles	\$14,087 45	
	1,867 cars	\$7 97 car
(7) Education and Enforcement	\$76,687 26	
(8) Incinerator	\$838,759 12	Less than 2 percent of total cost
	151,890 tons a year	\$5 52 ton
(9) Gardner Street Dump	*\$137,788	
	97,144 tons a year	\$1 42 ton
(10) Saugus Dump Rental	\$37,500	
	12,570 tons a year	\$2 98 ton
(11) Garbage Disposal	\$26,100	
	45,740 cubic yards a year	\$0 57 cubic yard

* Sanitary Land Fill only 6 months

EXPENDITURES IN 1965:

Payments to Refuse Collection Contractors	\$2,442,260 61
Payments for Rental of Saugus Dump	37,500 00
Payments for Removal of Garbage	26,100 00
Payments for Removal of Derelict Automobiles	9,087 45
Payments for Removal of Incinerator Residue	118,988 62
 Total Collection & Disposal Contract Pymts	\$2,633,936 68
Payroll Totals were as follows:	
Administrative & General Services	\$63,841 11
Collection Section	373,956 82
Disposal Section	519,716 48
 Total Payrolls	\$957,514 41
Temporary Employees	\$30,015 00
Overtime Payrolls	124,891 18
 Total Sanitary Division Payrolls	\$1,112,420 59
Incinerator Operation & Maintenance Costs other than (labor)	\$127,197 00
Payments on other contracts	95,869 00
Supplies and Materials (other than Incinerator)	17,090 00
Miscellaneous (advertising, rental of equipment, etc.)	11,846 00
 Grand total expenditure	\$3,998,358 00

TABLE 5
1965 UNIT OPERATING COSTS

ADMINISTRATIVE SECTION

Payroll	\$32,258 56
Office Supplies	2,252 50
	<hr/>

\$34,511 06

COLLECTION SECTION

Collection Contracts	\$2,442,260 61
Payroll	172,946 07
Inspectors Phones	300 00
Advertisements in Newspapers	5,000 00
Supplies and Materials	550 00
	<hr/>

\$2,621,056 68

Alley Cleaning

Payrolls	\$113,177 29
Materials and Tools	1,027 00
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\$114,204 29

Litter Baskets

Payrolls	\$44,815 40
New baskets and parts	3,880 00
	<hr/>

\$48,695 40

Market Cleaning

Payrolls	\$22,821 46
	<hr/>

\$22,821 46

Abandoned Cars

Contractor	\$9,087 45
Film	500 00
Supervision	4,500 00
	<hr/>

\$14,087 45

Education and Enforcement

Payroll	\$69,187 26
Uniforms	1,500 00
Spring Campaign	6,000 00
	<hr/>

\$76,687 26

DISPOSAL SECTION

Incinerator

Payroll	\$592,573 50
Maintenance	127,197 00
Residue	118,988 62
	<hr/>

\$838,759 12

Gardner Street Dump

Payroll	\$58,501 00
Cover Material	79,287 00
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\$137,788 00

Saugus Dump

Payroll	\$37,500 00
	<hr/>

\$37,500 00

Garbage Disposal

Victory Road	\$13,050 00
Gardner Street	13,050 00
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\$26,100 00

APPENDIX E

SEWER DIVISION

- Table 1—Financial Statement
- Table 2—Summary of Sewer Construction
- Table 3—Length of Sewers
- Table 4—Number of Catch Basins
- Table 5—Maintenance Statistics
- Table 6—Sewerage Works Contracts

TABLE 1
FINANCIAL STATEMENT
SEWER USE CHARGE—1965

Balance from 1964 (Appropriations)	\$12,041 50
Receipts:	
Sewer Use	\$3,163,119 08
Tax Titles, Sewer Use	90,819 06
	\$3,253,938 14
Transfer to appropriations	12,314 25
	3,266,252 39
	\$3,278,293 89

EXPENDITURES:

Sewer Service	\$683,116 44
Departmental Equipment	29,583 15
Pensions and Annuities	166,029 16
Pensions, State-Boston	50,528 90
Public Works Department	142,827 00
Collecting Division	32,057 00
Data Processing Unit	35,940 00
Debt and Interest	759,564 34
M.D.C. Assessment—1965	1,720,861 51
M.D.C. Underestimate—1964	101,426 28
	\$3,721,933 78
Deficit	\$443,639 89

NON-REVENUE EXPENDITURES—1965**Sewerage Works Loan:**

Office and Engineers Salaries	\$150,424 58
Miscellaneous Bills	23,826 11
Service Orders	7,036 65
Contracts	515,159 22
	\$696,446 56

BOSTON REDEVELOPMENT PROJECTS:

Washington Park	\$143,085 55
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TABLE 2

Summary of Sewer Construction for Twelve Months Ending
December 31, 1965

DISTRICT	Built by City Either by Contract or Day Labor	Built by Private Parties	Shared by City and Government	Total Lengths Built	
	Linear Feet	Linear Feet	Linear Feet	Linear Feet	Miles
City Proper.....	132.00	.....	2,994.00	3,126.00	0.59
Roxbury.....	.....	.....	13,515.00	13,515.00	2.56
South Boston.....	.....	.....	.....	.....	.....
East Boston.....	.....	.....	.....	.....	.....
Charlestown.....	.....	.....	.....	.....	.....
Brighton.....	5,843.00	930.00	.....	6,773.00	1.28
West Roxbury.....	10,466.00	1,319.00	.....	11,785.00	2.17
Dorchester.....	2,052.00	.....	.....	2,052.00	0.39
Hyde Park.....	3,444.00	364.00	.....	3,808.00	0.72
Totals.....	21,937.00	2,613.00	16,509.00	41,059.00	7.71

Summary of Sewer Construction for Five Years Previous to January 1, 1966

	1961	1962	1963	1964	1965
	Linear Feet	Linear Feet	Linear Feet	Linear Feet	Linear Feet
Built by city—by contract or day labor.....	13,694.37	26,557.27	14,206.85	39,813.50	21,937.00
Built by private parties.....	2,876.85	3,937.56	2,428.97	2,749.20	2,613.00
Shared by city and government..	7,904.30	.....	2,430.00	.....	16,509.00
Totals.....	24,475.52	30,494.83	19,056.82	42,562.70	41,059.00

TABLE 3
TOTAL LENGTH OF SEWERS

	Miles
Common sewers and surface drains built previous to January 1, 1965	1,354.605
Common sewers and surface drains built between January 1 and December 31, 1965	7.710
Common sewers and surface drains built ending December 31, 1965	<u>1,362.315</u>
Abandoned sewers ending December 31, 1965	1.970
Grand total	1,360.345

TABLE 4
CATCH BASINS UNDER JURISDICTION OF SEWER DIVISION

DISTRICT	CATCH BASINS FOR TWELVE MONTHS ENDING DECEMBER 31, 1965			TOTAL FOR ENTIRE CITY	
	Number Built or Rebuilt	Number Abandoned or Removed	Net Increase	Previous Report through December 31, 1964	Grand Total to December 31, 1965
City Proper.....	11	0	11	3,803	3,814
Roxbury.....	29	9	20	3,611	3,631
South Boston.....	0	0	0	1,522	1,522
East Boston.....	0	0	0	1,237	1,237
Charlestown.....	0	0	0	871	871
Brighton.....	16	0	16	2,158	2,174
West Roxbury.....	13	0	13	4,856	4,869
Dorchester.....	4	0	4	5,808	5,812
Hyde Park.....	13	0	13	1,596	1,609
Totals.....	86	9	77	25,462	25,539

TABLE 5
MAINTENANCE STATISTICS

	1965	1964	1963
Complaints received and investigated.....	3,390	6,480	3,235
Catch basins and manholes freed and/or repaired.....	1,033	308	1,042
Sewers repaired.....	23	29	34
Sewers cleaned (miles).....	2.42	1.9	2.13
House drains constructed/repairs (inspected).....	557	700	499
Municipal liens reported to Collector.....	5,671	5,461	5,202
Inspected sealed-off drains at site of demolished buildings.....	340	—	—

CALF PASTURE PUMPING STATION

	1965	1964	1963
Sewage pumped.....	43388 M.G.	42765 M.G.	43529 M.G.
Sewage pumped, average flow.....	118.87 M.G.	117.16 M.G.	119.26 M.G.
Pumping cost per M.G.	\$7.81	\$6.47	\$5.28

SEWERAGE WORKS CONTRACTS, 1965

LOCATION	Contractor	Length in Feet	Character	Contract Bid Price
Bower street (part), Roxbury..... Humboldt avenue (part), Roxbury Elbert street, Roxbury Hazelwood street, Roxbury Munroe street (part), Roxbury Humboldt court	Susi & DeSantis	1,080.00 85.00 565.00 695.00 430.00	10" pipe sewer..... 18" pipe surface drain 15" pipe surface drain 12" pipe surface drain minor drain 16 manholes 19 catch basins 1 drop inlet	\$102,015.00
Lake Shore road (part), Brighton..... Lake Shore terrace, Brighton Private land, Brighton	Lilly Construction Company	1,098.00 208.00 866.00 684.00 250.00 676.00 223.00 80.00	15" pipe sewer..... 12" pipe sewer 10" pipe sewer 30" pipe surface drain 27" pipe surface drain 18" pipe surface drain 10" pipe surface drain minor drain 18 manholes 8 catch basins 1 drop inlet	\$85,794.65
Lake Shore road, Brighton..... Lake Shore road, Brighton	Lilly Construction Company	730.00 440.00 290.00 62.00 70.00	10" pipe sewer..... 60" pipe surface drain 15" pipe surface drain 10" pipe surface drain minor drain 6 manholes 6 catch basins	\$64,947.00
Catawba street (part), Roxbury..... Harold street (part), Roxbury Sherman street (part), Roxbury Walnut avenue, Roxbury Washington Park Boulevard, Roxbury Circuit street (part), Roxbury Dale street (part), Roxbury Warren street (part), Roxbury	Frank Frederick Construction Company, Inc.	61.00 96.00 5,163.00 64.00 744.00 230.00 1,594.00 1,477.00 1,825.00 1,350.00	15" pipe sewer..... 12" pipe sewer 36" pipe surface drain 36" pipe surface drain 24" pipe surface drain 18" pipe surface drain 15" pipe surface drain 12" pipe surface drain minor drain 60 manholes 8 catch basins 1 drop inlet	\$297,367.00

LOCATION	Contractor	Length in Feet	Character	Contract Bid Price
Charlame street, Roxbury..... Laurel street, Roxbury Humboldt avenue, Roxbury Sherman street, Roxbury Bower street, Roxbury	Z & S Construction Company	559.78 51.88 364.30 542.70 10.60 374.55 251.00	15" pipe sewer..... 12" pipe sewer 10" pipe sewer 48" pipe surface drain 24" pipe surface drain 15" pipe surface drain minor drain 11 manholes	\$63,772 17
Pine avenue (part), Hyde Park..... Pinefield Lane, Hyde Park Pinefield road, Hyde Park	Roslindale Contracting Company	807.00 336.00 527.00 70.00	10" pipe sewer..... 12" pipe surface drain 10" pipe surface drain minor drain 9 manholes 6 catch basins 1 drop inlet	\$28,302 00
Dalton street (part), City Proper..... Carol Circle, West Roxbury..... Coleman street (part), Hyde Park Selton street, Hyde Park Clarendon park, West Roxbury Fairmount avenue (part), Hyde Park	R. A. Buccella & Sons, Inc. Mass. Construction Company, Inc.	140.00 20.00 1,120.00 948.00 30.00	54" concrete sewer..... minor drain 10" pipe sewer..... 10" pipe surface drain minor drain 11 manholes 2 catch basins 1 drop inlet	\$37,823 00
Castle court (part), City Proper..... Emerald court (part), City Proper Herald street (part), City Proper Millicent Way, City Proper Paul place (part), City Proper Village court (part), City Proper	L. Guerini, Inc.	1,215.00 750.00 1,038.00 450.00	10" pipe sewer..... 15" pipe surface drain 12" pipe surface drain minor drain 12 manholes 11 catch basins	\$64,015 00

SEWERAGE WORKS CONTRACTS, 1965—Concluded

LOCATION	Contractor	Length in Feet	Character	Contract Bid Price
Cedarcrest road (part), West Roxbury..... Cedarcrest terrace, West Roxbury Bridgecrest Drive, West Roxbury Mann street, West Roxbury Cedarcrest Lane, West Roxbury Langley road (part), Brighton	R. A. Buccella & Sons, Inc.	2,300.00 148.00 310.00 548.00 1,023.00 895.00 250.00	10" pipe sewer..... 21" pipe surface drain 18" pipe surface drain 15" pipe surface drain 12" pipe surface drain 10" pipe surface drain minor drain 26 manholes 14 catch basins 1 drop inlet	\$124,803 00
Delhi street (part), Dorchester..... French street, Dorchester Euston road (part), Brighton Hebron street (part), Hyde Park Maplewood street, West Roxbury Metropolitan Circle, West Roxbury	R. A. Buccella & Sons, Inc.	1,048.00 274.00 1,061.00 60.00	10" pipe sewer..... 12" pipe surface drain 10" pipe surface drain minor drain 11 manholes 5 catch basins 1 drop inlet	\$54,636 00
Dedham street (part), Hyde Park..... Thompson street (part), Hyde Park Private land Hyde Park	Carriere Construction Company	2,832.00 40.00 260.00 648.00 1,217.00 120.00	10" pipe sewer..... 21" pipe surface drain 18" pipe surface drain 15" pipe surface drain 12" pipe surface drain 10" pipe surface drain minor drain 22 manholes 4 catch basins 1 drop inlet	\$80,580 50
Mt. Vernon street, West Roxbury..... Ralston street, Hyde Park Genevieve Way, Dorchester Edson terrace, Hyde Park	Charles & Louis Construction Company, Inc.	1,202.00 1,245.00 120.00	10" pipe sewer..... 10" pipe surface drain minor drain 16 manholes 6 catch basins 1 drop inlet	\$40,806 00

LOCATION	Contractor	Length in Feet	Character	Contract Bid Price
Fruncelair Drive (part), West Roxbury..... Cowing street (part), West Roxbury	M. DeMatteo Construction Company	912.00 906.00 65.00	10" pipe sewer..... 10" pipe surface drain minor drain 10 manholes 4 catch basins 1 drop inlet	\$45,897.50
Hardwick terrace, Brighton.....	Bianchi & O'Leary	94.00 90.95	10" pipe sewer..... 10" pipe surface drain 3 manholes	
Crossstown avenue, West Roxbury.....	A. Musto	240.00 240.00 12.00	10" pipe sewer..... 10" pipe surface drain minor drain 1 manhole 1 catch basin	
Metropolitan avenue, West Roxbury.....	Carriere Construction Company	277.00 270.00	10" pipe sewer..... 10" pipe surface drain 4 manholes	
Allstate road, Dorchester.....	Perini Corporation	128.00	minor drain..... 4 drop inlets	
Burroughs street, West Roxbury.....	Roslindale Construction Company	140.00 152.00	8" pipe sewer..... 8" pipe surface drain 1 manhole	
Edison street, Dorchester.....	W. Merola	182.00 182.00	10" pipe sewer..... 12" pipe surface drain	

APPENDIX F

WATER DIVISION

Table 1—Water Pipes and Services

Table 2—Number of Hydrants

Table 3—Cost of Replacing Main Pipes

Table 4—Cost of Extensions

Table 5—Meters and Connecting Pieces

Table 6—Meters in Service

TABLE 1

Showing Length of Water Pipes and Connections Owned and Operated by Public Works Department, Water Division, Water Services, and Number of Valves in Same, December 31, 1965

	Diameter of Pipe in Inches										Total					
	*48	42	40	36	30	24	20	16	12	10	8	6	4	3	2	
Length owned and operated December 31, 1964.....	56,285	16,191	8,809	30,238	75,205	89,675	108,193	381,010	1,881,518	445,617	1,452,725	890,101	63,168	11,345	6,311	5,516,394
Gate valves in same.....	26	4	5	31	50	78	72	790	5,310	1,565	5,195	3,057	562	16	18	16,779
Air valves in same.....	60	5	10	35	113	85	53	105	65	1	5	.....	.....	1	.....	538
Blowoffs in same.....	11	5	6	11	3;	37	52	77	166	40	203	141	.....	9	.....	791
High pressure fire service.....	.....	.....	.....	.....	.....	20,140	46,433	31,756	.....	.....	.....	.....	.....	.....	.....	98,329
Length laid and relaid—1965.....	.....	.....	.....	.....	.....	.....	.....	.....	2,810	.....	16,656	891	166	.....	.....	20,523
Gate valves in same.....	.....	.....	.....	.....	.....	.....	.....	.....	8	.....	44	11	.....	.....	.....	63
Air valves in same.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
Blowoffs in same.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Length abandoned in 1965.....	.....	.....	.....	.....	.....	.....	.....	.....	322	.....	395	.....	792	.....	.....	1,509
Gates abandoned in 1965.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	.....	.....	4
Air valves abandoned in 1965.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Blowoffs abandoned in 1965.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Length owned and operated, including high pressure fire service, December 31, 1965.....	56,285	16,191	8,809	30,238	75,205	89,675	108,193	381,010	1,884,006	445,617	1,468,989	890,992	62,542	11,345	6,311	5,535,408
Gate valves in same.....	26	4	5	31	50	78	72	790	5,318	1,565	5,239	3,064	562	16	18	16,838
Air valves in same.....	60	5	10	35	113	85	53	105	65	1	5	.....	.....	1	.....	538
Blowoffs in same.....	11	5	6	11	33	37	52	77	166	40	203	141	.....	9	.....	791
High pressure fire service.....	.....	.....	.....	.....	.....	20,140	46,433	31,756	.....	.....	.....	.....	.....	.....	.....	98,329

1,048.37 miles in distribution system, including high pressure fire service.

18.62 miles in high pressure fire service.

TABLE 2
TOTAL NUMBER OF HYDRANTS IN SYSTEM, DECEMBER 31, 1965

HYDRANTS	Lowry	Boston Lowry	Boston Post	Ordinary Post	Batchelder & Kinneran	Ludlow Post	Chapman Post	Boston Hydrant	Mueller Post	A. P. Smith	Dating Post	Matthew Post	M. & H.	Total
Public, December 31, 1964.....	406	240	1,923	1,770	6,732	2	—	67	273	254	35	—	—	11,702
Private, December 31, 1964.....	33	5	29	126	17	13	56	111	—	—	—	4	—	394
Added, 1965.....	—	—	—	—	16	—	—	—	7	32	—	—	62	117
Abandoned, 1965.....	—	1	16	47	5	—	—	—	—	—	—	—	—	69
Total public, December 31, 1965.....	406	239	1,907	1,723	6,743	2	—	67	280	286	35	—	62	11,750
Total private, December 31, 1965.....	33	5	29	126	17	13	56	111	—	—	—	4	—	394

Total hydrants in service, December 31, 1964 12,130
 Total hydrants added during 1965 117
 Total hydrants abandoned during 1965 69
 Total hydrants in service, December 31, 1965 12,178
 High pressure fire hydrants in service, 1965 436
 Total hydrants (all kinds) in service, December 31, 1965 12,614

TABLE 3
COST OF REPLACEMENT OF MAIN PIPE, 1965

AREA	DISTRICT	STREET	SIZE (INCHES)	LENGTH (FEET)	CONTRACT COST	ENGINEERING AND INSPECTION COSTS	TOTAL COST	CONTRACTOR
1	10	Sherman street.....	6 W 8	372	\$3,442 35	\$172 12	\$3,614 47	Z & S Construction Co., Inc.
1	10	Elbert street.....	8 W 8	395	6,517 60	325 88	6,843 48	Susi & De Santis Co., Inc.
1	10	Hazelwood street.....	6 W 8	420	5,437 60	271 88	5,709 48	Susi & De Santis Co., Inc.
1	10	Warren street.....	12 W 12	322	8,200 25	410 06	8,610 31	F. Fredricks Construction Co., Inc.
1	10	Catawba street.....	12 W 12	1,509	23,597 80	1,179 94	24,777 74	F. Fredricks Construction Co., Inc.

TABLE 4
COST OF EXTENSION OF MAIN PIPE, 1965

Area	District	STREET	Size (Inches)	Length (Feet)	Contract Cost	Engineering and Inspection Costs	Total Cost	CONTRACTOR
1	1	Belvidere street.....	12	1,102	\$19,973 75	\$998 69	\$20,972 44	R. A. Buccella & Sons, Inc.
1	1	Dalton street.....	12	335	8,188 60	409 43	8,598 03	Massachusetts Construction Company, Inc.
1	1	Emerald court.....	8	276	3,800 50	190 03	3,990 53	L. Guerini, Inc.
1	1	Herald street.....	12	212	4,080 90	204 05	4,284 95	L. Guerini, Inc.
1	1	Millicent Way.....	8	1,117	14,010 70	700 54	14,711 24	L. Guerini, Inc.
1	1	Paul place.....	8	202	3,373 40	168 67	3,542 07	L. Guerini, Inc.
1	1	Village court.....	8	112	1,394 60	69 73	1,464 33	L. Guerini, Inc.
1	10	Charlame street.....	8	1,180	9,277 00	463 85	9,740 85	Z & S Construction Company, Inc.
1	10	Relocated Laurel street.....	8	142	1,838 80	91 94	1,930 74	Z & S Construction Company, Inc.
1	10	Bower street.....	8	2,364	25,883 20	1,294 16	27,177 36	Susi & De Santis Company, Inc.
1	10	Humboldt avenue.....	8	63	2,645 80	132 29	2,778 09	Susi & De Santis Company, Inc.
1	10	Munroe street.....	12	12	1,196 60	59 83	1,256 43	Susi & De Santis Company, Inc.
1	10	Warren street.....	8	1,227	13,006 46	650 32	13,656 78	Susi & De Santis Company, Inc.
1	1	Blossom street.....	12	424	—	432 00	432 00	Crane Plumbing Company (By Others)
1	1	Somerset street.....	12	156	—	32 00	32 00	Old Colony Construction Company (By Others)
1	10	Relocated Walnut avenue.....	12	227	6,226 00	311 30	6,537 30	F. Fredricks Construction, Inc.
2	4	Lake Shore road.....	8	1,827	23,749 60	1,187 48	24,937 08	Lilly Construction Company

COST OF EXTENSION OF MAIN PIPE, 1965—Concluded

Area	District	STREET	Size (Inches)	Length (Feet)	Contract Cost	Engineering and Inspection Costs	Total Cost	CONTRACTOR
2	4	Lake Shore terrace.....	8	251	\$3,332 00	\$166 60	\$3,498 60	Lilly Construction Company
2	4	Lake Shore court.....	8	377	4,547 00	227 35	4,774 35	Lilly Construction Company
2	4	Hardwick terrace.....	6	129	1,123 00	56 15	1,179 15	Massachusetts Construction Company, Inc.
2	6	Carol Circle.....	8	455	8,413 90	420 70	8,834 60	Massachusetts Construction Company, Inc.
2	8	Coleman street.....	8	126	1,368 40	68 42	1,436 82	Massachusetts Construction Company, Inc.
2	8	Sefton street.....	8	549	8,014 60	400 73	8,415 33	Massachusetts Construction Company, Inc.
2	6	Crosstown avenue.....	8	254	—	112 00	112 00	A. Musto (By Agreement)
2	8	Pine avenue.....	8	274	1,207 05	60 35	1,267 40	Roslindale Construction Company
2	8	Pinefield Lane.....	8	207	1,727 50	86 38	1,813 88	Roslindale Construction Company
2	8	Pinefield road.....	8	443	4,403 50	220 18	4,623 68	Roslindale Construction Company
2	8	Summit Circle.....	6	199	1,874 23	93 71	1,967 94	Roslindale Construction Company

2	6	Cedarcrest road.....	8	707	\$10,012 35	\$10,012 35	\$10,512 97
2	6	Cedarcrest terrace.....	8	248	4,523 36	226 17	4,749 53
2	8	Truman Highway	6	285	3,123 65	156 18	3,279 83
2	2	West Boundary road.....	8	284	5,100 41	255 02	5,355 43
2	4	Euston road.....	8	249	3,208 00	160 40	3,368 40
2	2	Hebron street.....	8	289	3,757 25	187 86	3,945 11
2	6	Maplewood street.....	8	168	2,247 30	112 37	2,359 67
2	6	Metroplitan Circle.....	6	185	1,687 04	84 35	1,771 39
2	8	Edson terrace.....	6	93	849 90	42 50	892 40
2	2	Ralston road.....	8	378	4,369 11	218 45	4,587 56
2	8	Prospect Circle.....	8	187	1,883 33	94 17	1,977 50
2	8	Edson street.....	4	166	—	22 00	22 00
2	6	Cowing street.....	8	174	3,725 25	187 61	3,939 86
2	6	Francelaire Drive.....	8	455	9,797 23	489 86	10,287 09
3	7	French street.....	8	364	4,362 67	218 13	4,580 80
3	7	Genevieve Way	8	482	5,802 86	290 14	6,093 00
Total				18,994	\$239,133 80	\$12,554 71	\$251,688 51

TABLE 5
METERS AND CONNECTION PIECES — 1965

Total meters (Old and New Services) in use December 31, 1965 . . .	89,009
Connection pieces in service December 31, 1965	6,110
Total meters and connection pieces in service December 31, 1965	95,119

NEW METERS INSTALLED IN 1965

	$\frac{5}{8}''$	$\frac{3}{4}''$	1"	$1\frac{1}{2}''$	2"
Hersey-Sparling.....	2,487	175	85	—	—
Rockwell Mfg.....	2,625	25	10	175	83
American Meters.....	937	—	—	—	—

TABLE 6
METERS IN SERVICE DECEMBER 31, 1965

MAKE	DIAMETER IN INCHES										Total
	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{2}$	2	3	4	6	8	10	
Hersey.....	67,178	5,164	2,372	1,487	984	380	430	120	30	8	78,153
Rockwell.....	2,648	29	8	158	60	.....	.....	.....	.....	.....	2,911
American.....	924	.....	.....	.....	.....	.....	.....	.....	.....	.....	924
Watch Dog.....	5,306	158	211	684	348	190	66	.....	.....	.....	6,963
Arctic.....	14	8	12	34
Trident.....	10	14	24
Total.....	76,056	5,351	2,591	2,343	1,408	592	510	120	30	8	89,009

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